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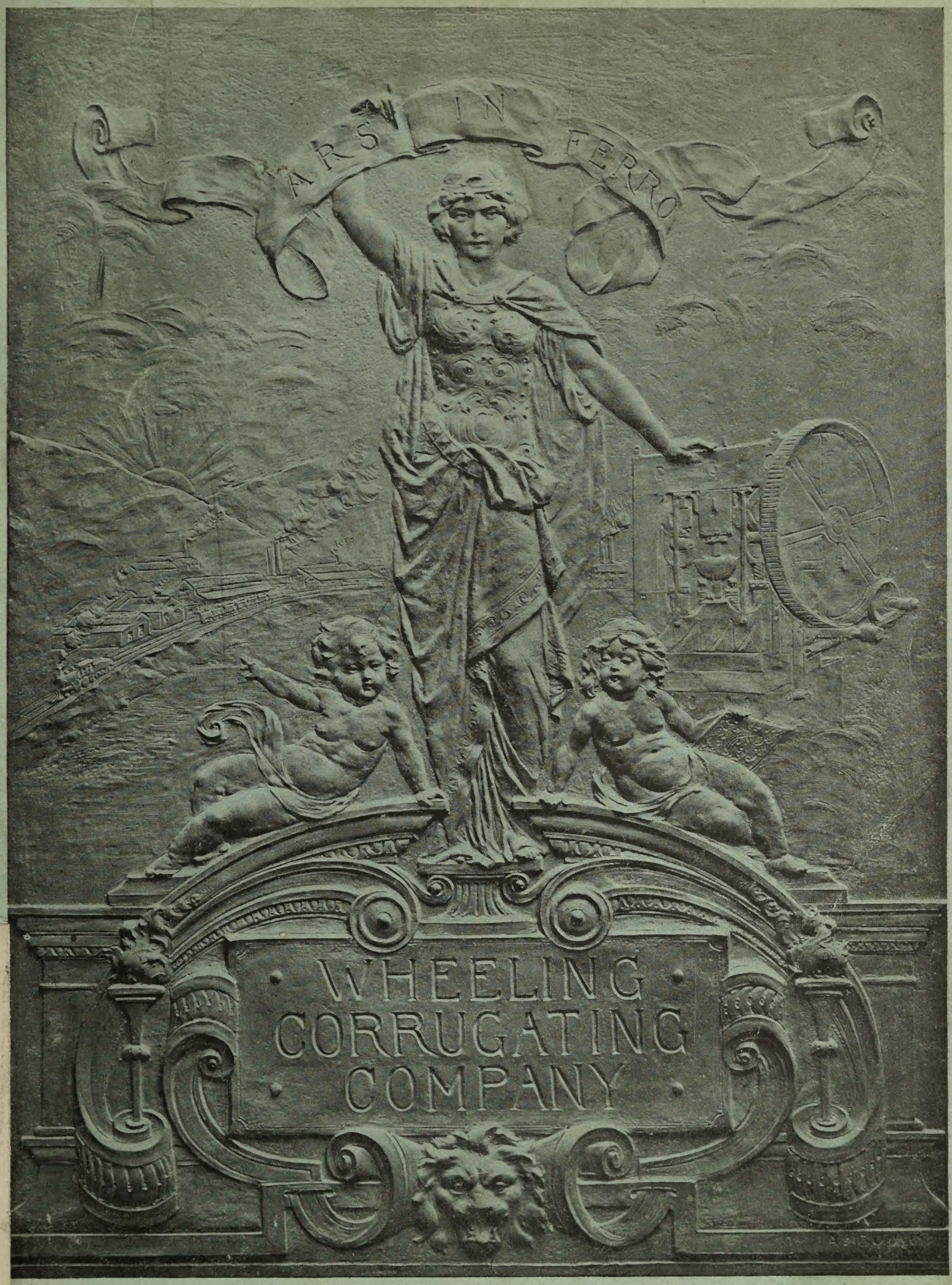

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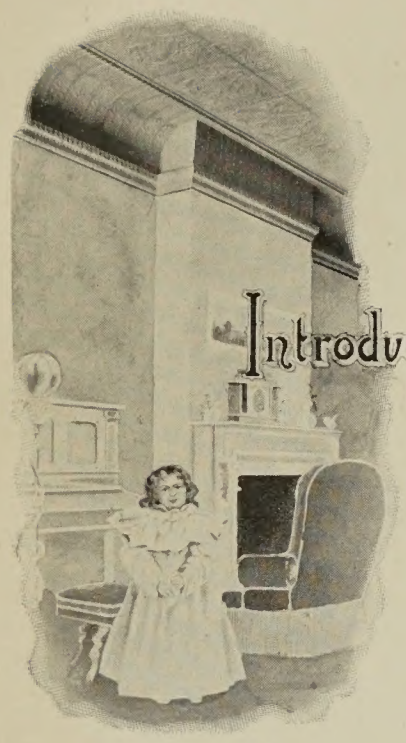

Introductory

It affords us a great deal of pleasure to present to our friends the increased number of embossed metal patterns shown herein.

The favor with which our productions have been received by architects, builders and buyers of ceilings generally, has stimulated us to greater artistic efforts, and we hope the results will be appreciated by those who aim at the highest and best in interior decoration.

We have sacrificed nothing in the simplicity of construction, permanency, nor fire, dust and vermin proof qualities of our Ceilings in attaining the elegance of our new patterns.

We would be pleased to receive your plans from which to prepare suggestive sketches and estimates.

WHEELING CORRUGATING COMPANY

WHEELING, W. VA.

NEW YORK, N. Y., 47 Cliff Street.
CHICAGO, ILL., 185 and 187 Lake Street.
ST. LOUIS, MO., 12th and Poplar Streets.
CHATTANOOGA, TENN., King Street.

THE WERNER COMPANY, AKRON, OHIO.

TERMS

Thirty day acceptance or one per cent. discount from net amount of invoice for cash if paid within ten days from date of invoice.

Bills not paid at maturity are subject to sight draft with exchange and cost of collection without further notice.

Remittances must be made in New York, Chicago or St. Louis exchange.

Orders from patrons not favorably rated, and not sending references, will be shipped to our own order, and draft with bill of lading attached will be sent through the bank for collection.

Delays will be avoided if reference is furnished when inquiry is made.

Claims for errors must be made on receipt of goods. All shipments should be checked upon arrival and reported immediately.

Goods cannot be returned without our consent, if they were shipped according to order, and then if damaged in returning, credit will not be allowed to a greater amount than their value.

Returned goods must be accompanied by an invoice and bill of lading.

WORKING PLANS

Showing the arrangement of ceiling material shipped are furnished in all cases where diagrams of the rooms to be ceiled are furnished us, and detailed plans showing the method of applying the material are made. When desired, we can furnish experienced men to erect the material, charging for their time, transportation and board. If a diagram of the room to be ceiled is furnished, with the distances from point to point, and with the size and shape of all off-sets indicated, we can make more intelligent estimates, and if desired, submit a design free of charge for the approval of the customer. As our draftsmen are busy at all times on accumulated work, customers desiring drawings should furnish their diagrams as early as possible.

In all cases inform us of the height of the room and the distance between the tops of window and door casings and the ceiling, so that a Cornice of suitable depth can be selected.

If no choice of design is indicated, we will prepare an artistic arrangement of plates suitable for the shape of the room and the purpose for which it is to be used.

THE ADVANTAGES OF STEEL CEILINGS as a substitute for wood or plaster ceilings scarcely need comment. The expense of repair and the danger and annoyance of falling plaster, have demonstrated the necessity of a fire, water and vermin proof material which will not crack or warp.

Our Ceilings and Side Walls combine these essentials in handsome and artistic designs that are elegant in appearance, simple and practical in construction, and capable of the highest ornamentation. The matching points are concealed by beads and are not noticeable.

Especial attention is called to the great diversity of effects obtainable, and the wide range of designs presented.

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CHICAGO, ILL., 185-187 Lake Street.
ST. LOUIS, MO., 12th and Poplar Streets.
CHATTANOOGA, TENN., King Street.

DIRECTIONS FOR APPLYING

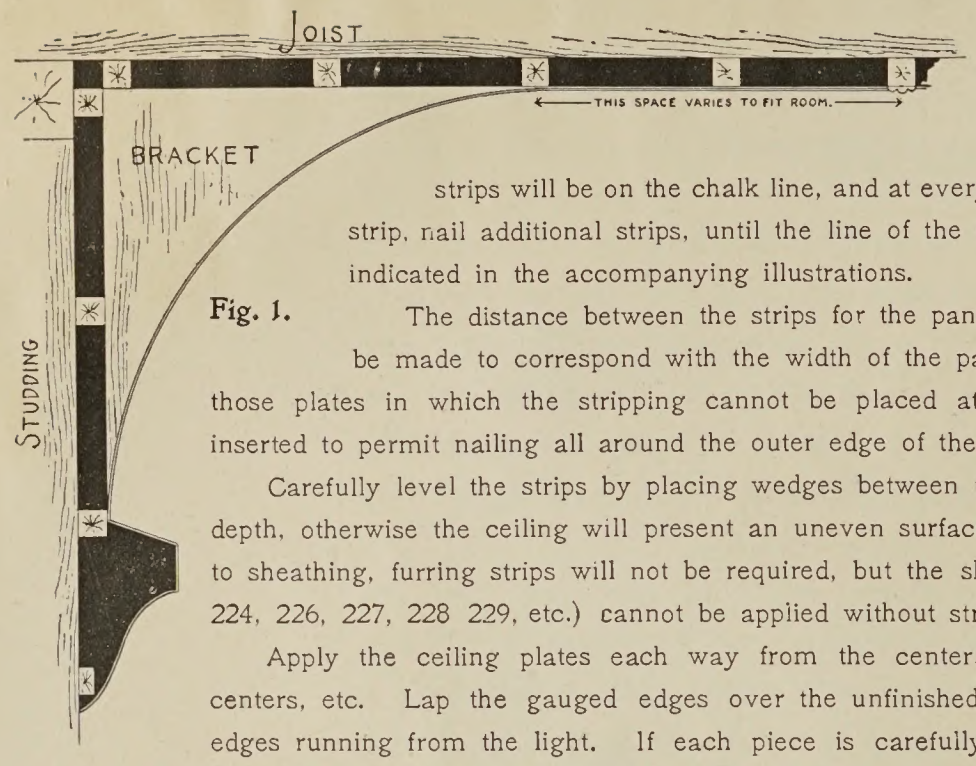


Fig. 1.

STRIKE a chalk line across the joists at right angles through the center of the room. On this line nail, with 2½-inch wire nails, ⅞ x ⅞-inch wood strips, so that the center of the strips will be on the chalk line, and at every six inches from center to center, on each side of this strip, nail additional strips, until the line of the cornice is reached; then strip to suspend brackets, as indicated in the accompanying illustrations.

The distance between the strips for the panel plates, Nos. 223, 224, 226, 227, 228, 229, etc. must be made to correspond with the width of the panels, 6, 12 or 24 inches, as the case may be. For those plates in which the stripping cannot be placed at less than 24-inch intervals, a cross strip should be inserted to permit nailing all around the outer edge of the plates.

Carefully level the strips by placing wedges between the strips and the joists, to bring them all to a uniform depth, otherwise the ceiling will present an uneven surface when completed. When the ceiling is to be applied to sheathing, furring strips will not be required, but the sheathing must be level. Panel ceilings (plates 223, 224, 226, 227, 228 229, etc.) cannot be applied without stripping.

Apply the ceiling plates each way from the center, consulting the plan as to the position of moldings, centers, etc. Lap the gauged edges over the unfinished edges of the adjoining plates, and keep the lapping edges running from the light. If each piece is carefully lapped the beads will be straight and true and the joints not noticeable, as they become part of the general design.

Nail the Ceiling to the strips with the 1⅛-inch nails, nailing through the center of the buttons every six inches. To insure rigidity and uniformity of surface on panel designs, it is necessary to nail only at the points provided, as the deep embossing affords the necessary rigidity. Use a sharp punch for making the nail holes where there are more than two thicknesses of metal. If a cornice is used, the pattern of which extends on the ceiling to take up the odd size of the room, as shown in Fig. 1, leave the outer edge of the ceiling plate or molding unnailed, to allow the cornice to slip under the plates; then nail as before. If the cornice used has not such a filling pattern, a border or filler plate is used between the cornice and the molding or field of the ceiling, as shown in Figs. 2 and 3, which border plate must be cut to the width necessary and lap under the field plates.

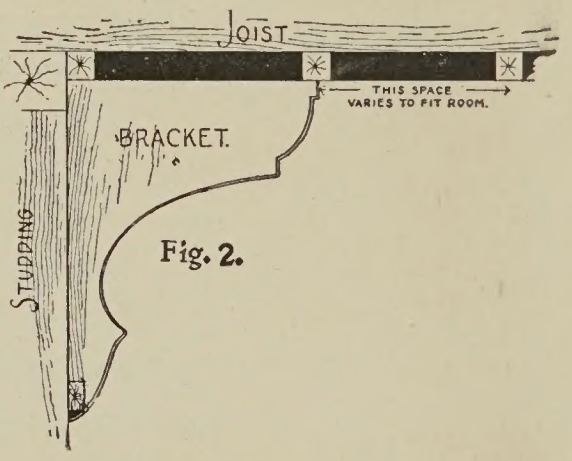


Fig. 2.

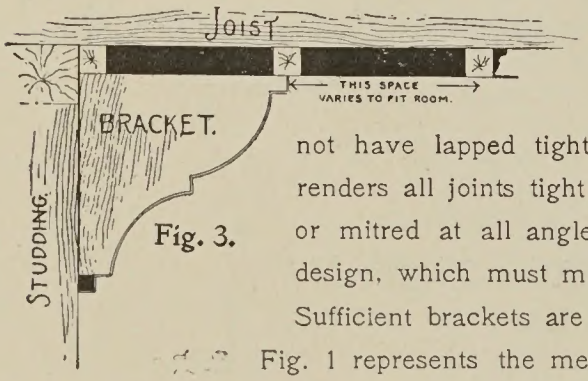
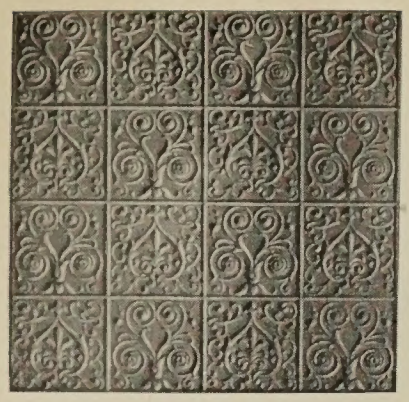


Fig. 3.

Hammer down or "swedge" with a small dull tool any joints which may not have lapped tightly, owing to the lapping beads becoming twisted or flattened in applying. This renders all joints tight and unnoticeable. Cornices of stamped designs, as in Fig. 2, are to be coped or mitred at all angles, as stock mitres cannot be formed at the factory on account of the embossed design, which must match continuously around the room.

Sufficient brackets are shipped to be placed at every joint.

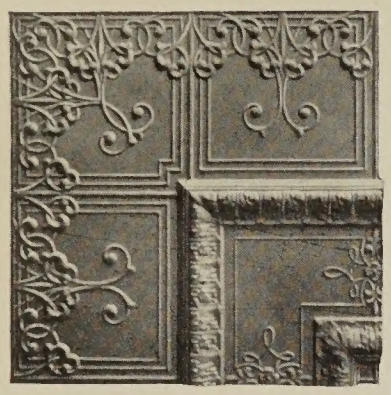
Fig. 1 represents the method of applying Cornices Nos. 176, 215, 217 and 251. Figs. 2 and 3 show the method of applying Cornices Nos. 220, 221, 222, etc. The profiles of each of these Cornices differ, but the application of all Cornices of each class is the same.



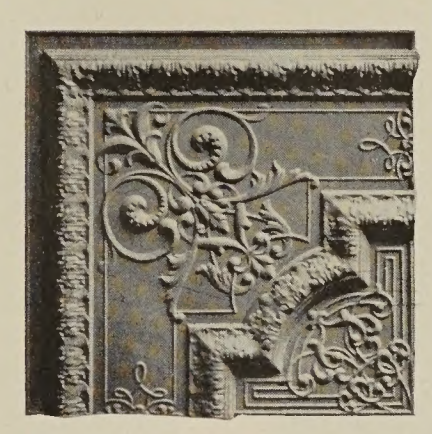
341 24 x 24 in.

342 24 x 24 in.

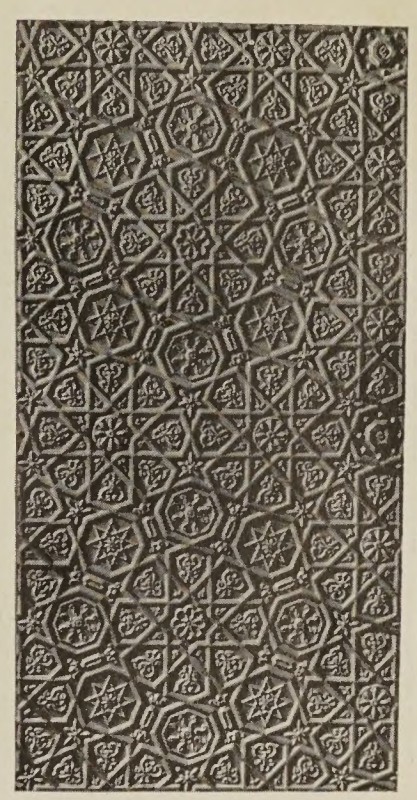
343 24 x 24 in.



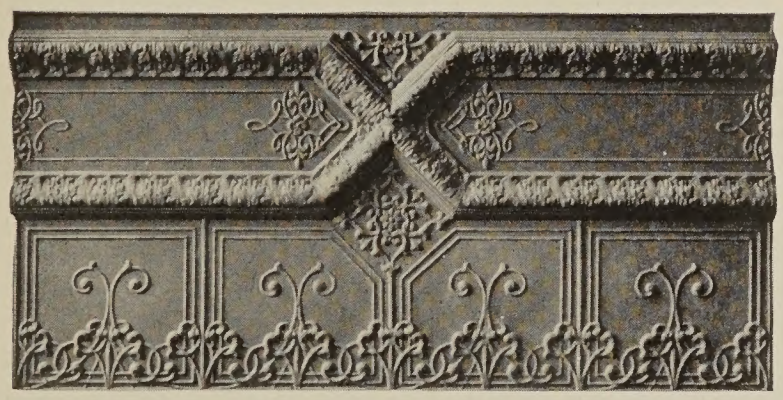
344 24 x 24 in.



345 24 x24 in.

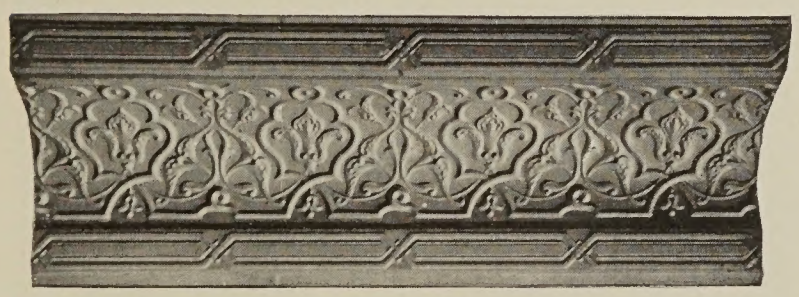


348 24 x 48 in.

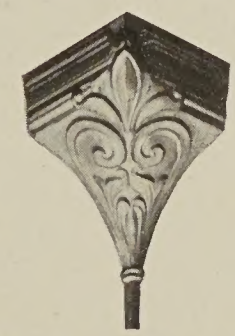


347 24 x 48 in.

350 Inside Mitre.

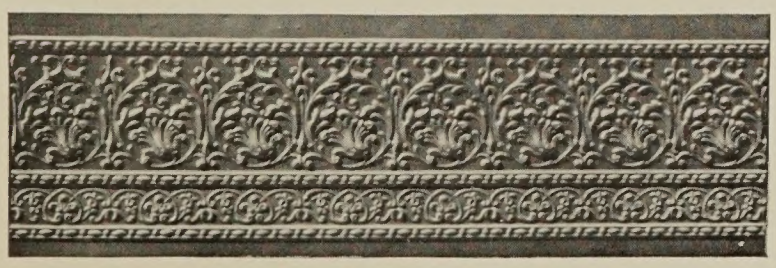


349 15 in. deep, 9 in. projection. 48 in. long.



351 Outside Mitre.

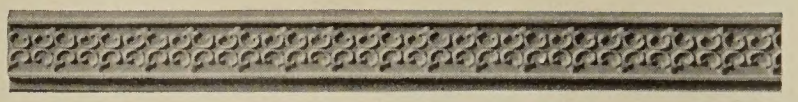
346 24 x 33 in.



382 13½ x 48 in.

396 4½ x 48 in.

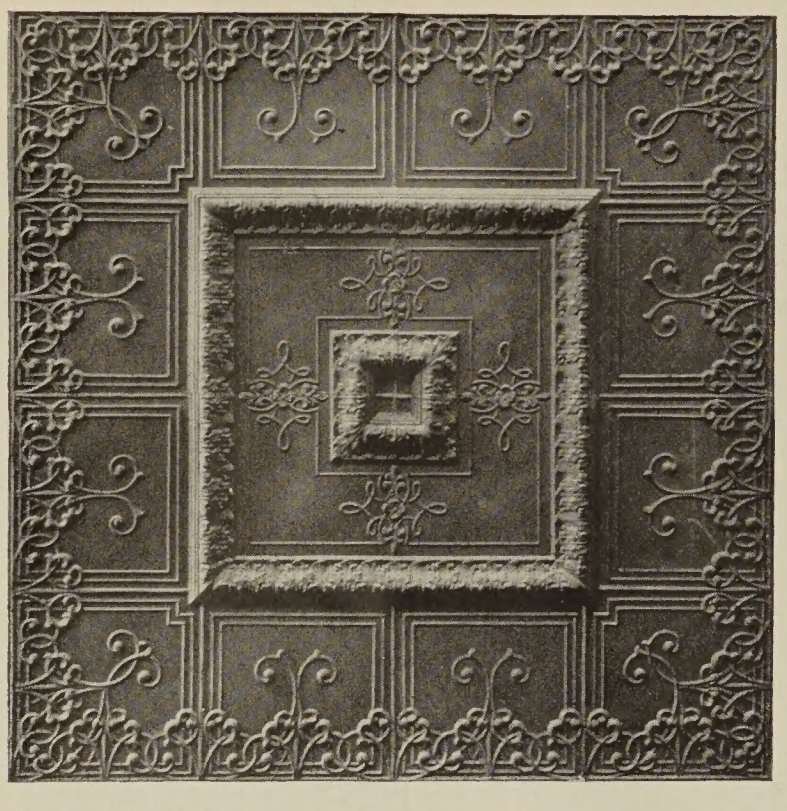
352 ¼ in. deep. 7½ x 48 in.



353 ¼ in. deep. 4 x 48 in.

354 4 in. deep, 3½ in. projection. 48 in. long.

355 ¼ in. deep. 3¼ x 48 in.

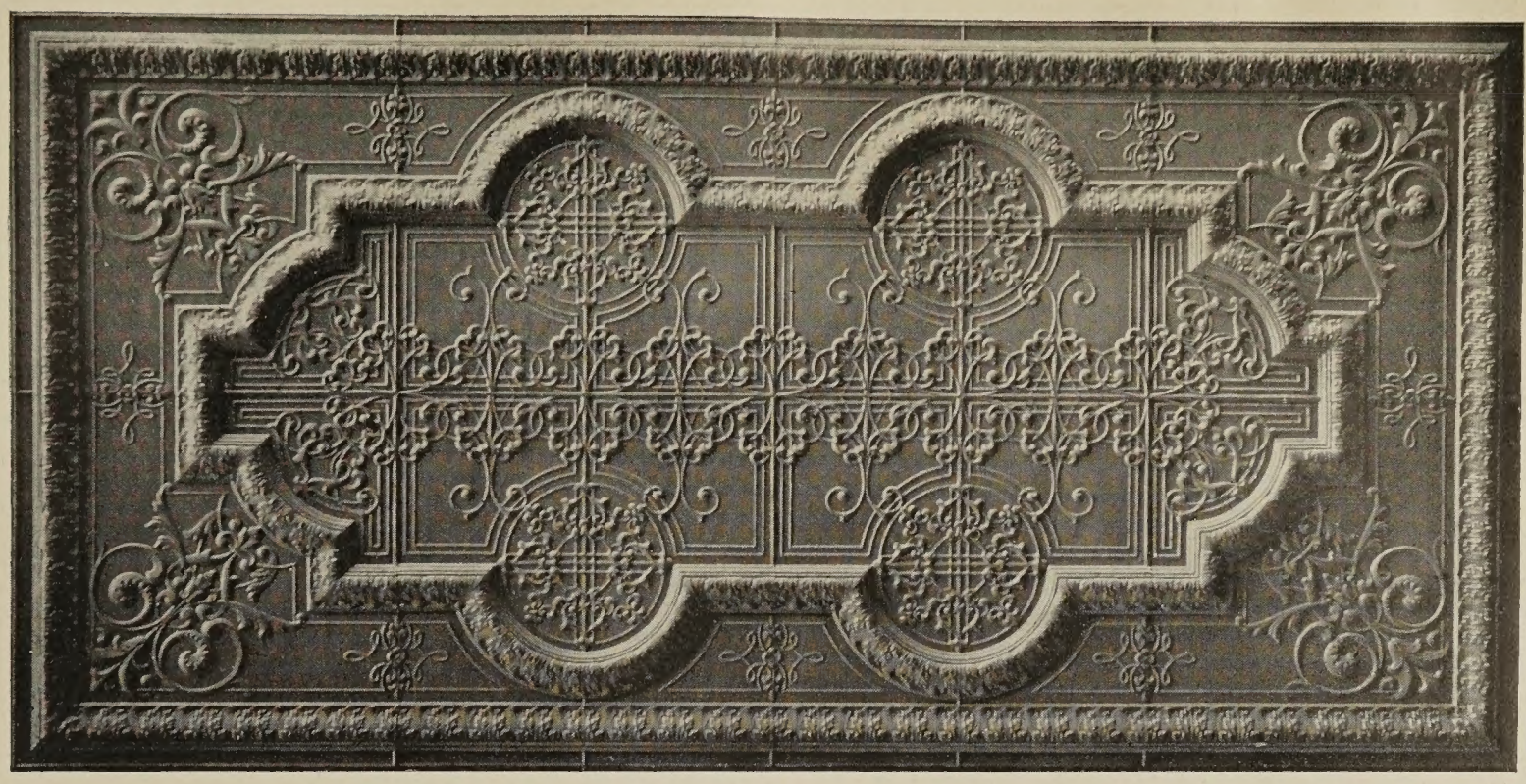


Section composed of four Plates 344.

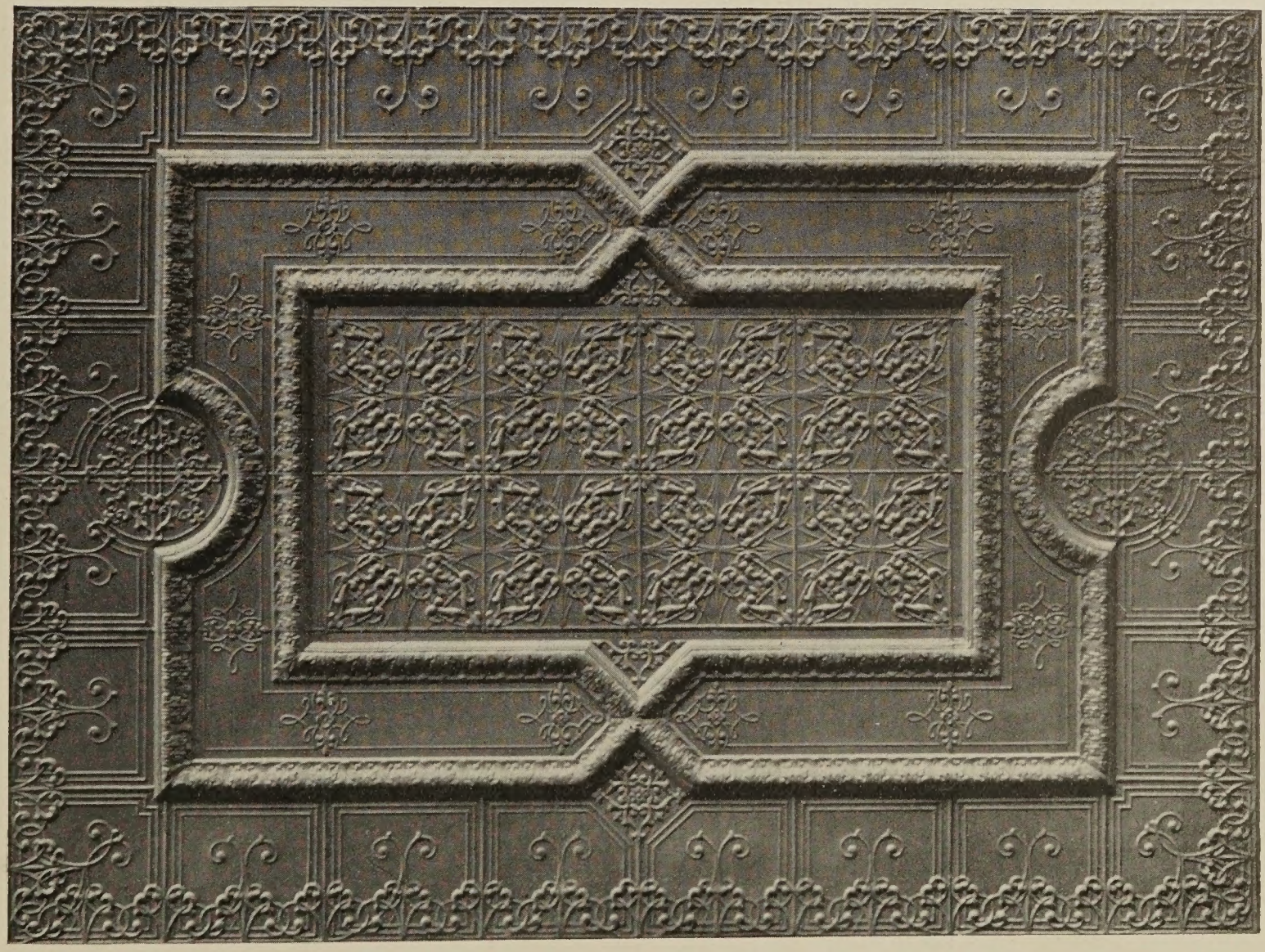
Section composed of four Plates 345.

Section composed of two Plates 343 and two 342.

Section composed of one Plate 347 and two 342.



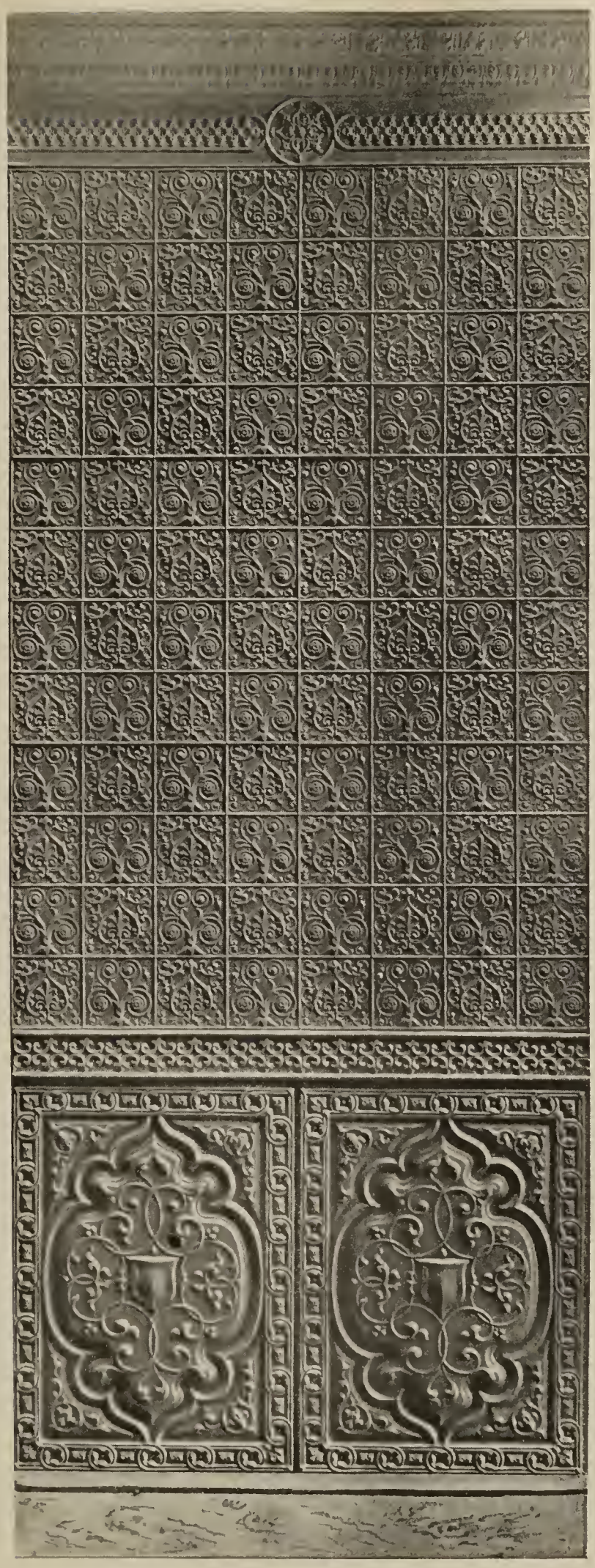
4 x 8 foot section, composed of Plates 343 and 345.



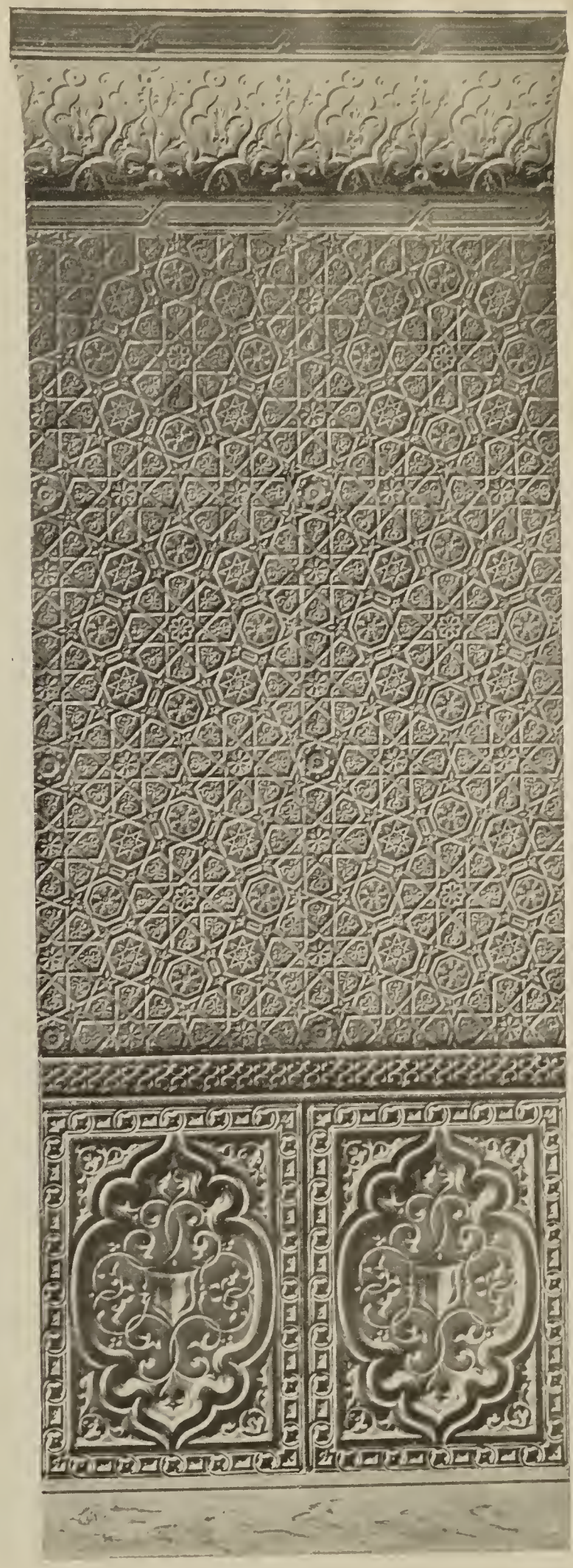
6 x 8 foot section, composed of Plates 344, 347, 343 and 342.

4' x 8 foot section, composed of Plates 345 and 347.

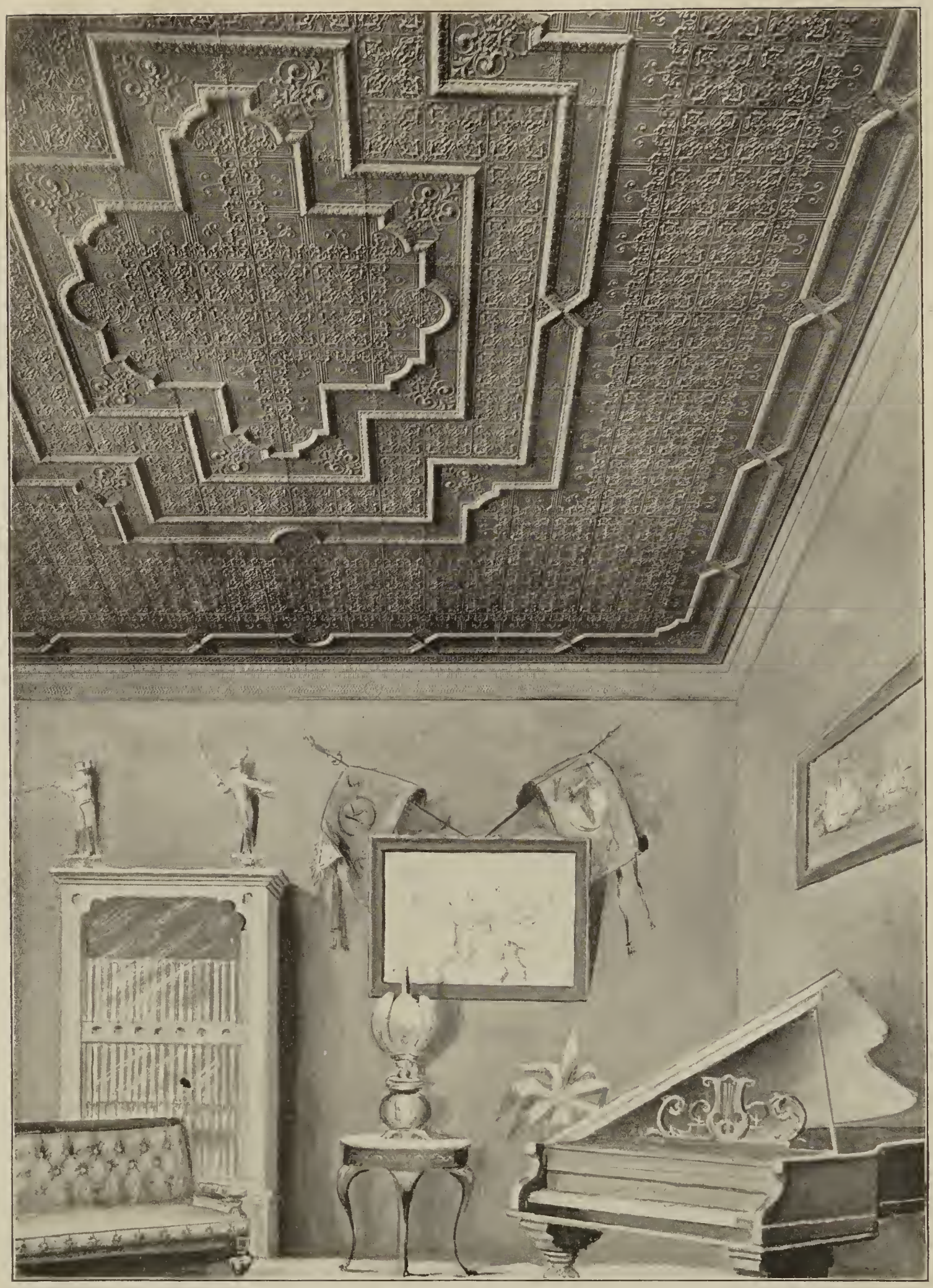
Section composed of Plates 344, 345, 342 and 343.



Side Wall—Cornice 354, Frieze 352, Wall Plate 341, Mold 353 and Wainscot 346.



Side Wall—Cornice 349, Wall Plate 348, Mold 353 and Wainscot 346.



1088 Composed of Frieze 352, Cornice 354, Mold 353, Border 345 and 347, Field 342, 343, 344, 345 and 347.

211 24 x 24 in.

356 24 x 24 in.

358 24 x 24 in.

359 24 x 24 in.

360 24 x 24 in.

357 24 x 24 in.

362 24 x 33 in.

212 24 x 24 in.

363 24 x 24 in.

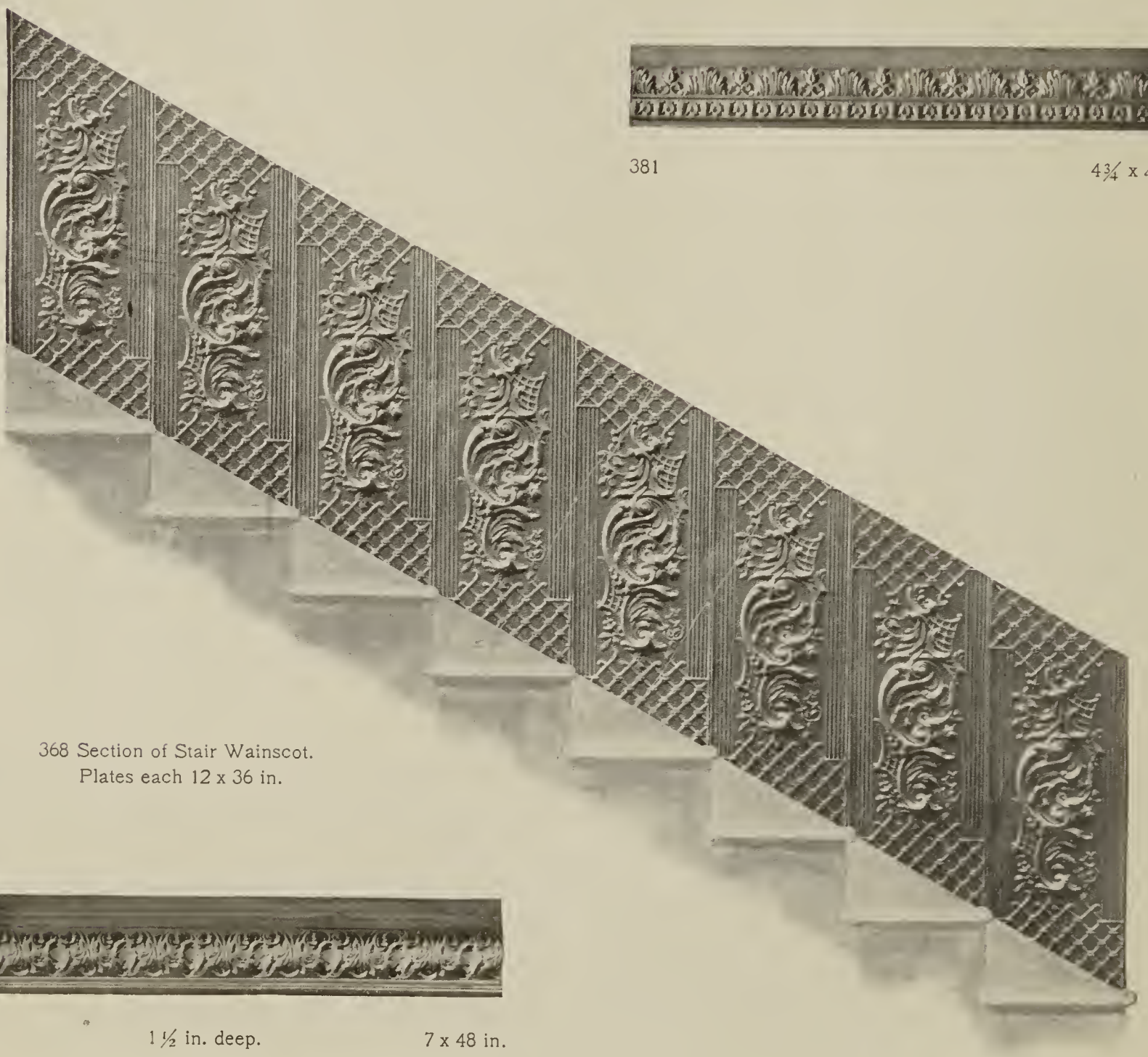
364 24 x 48 in.

365 24 x 48 in.

361 24 x 48 in.

366 24 x 48 in.

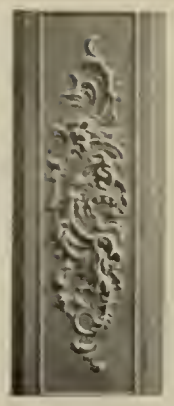
381 4¾ x 48 in.



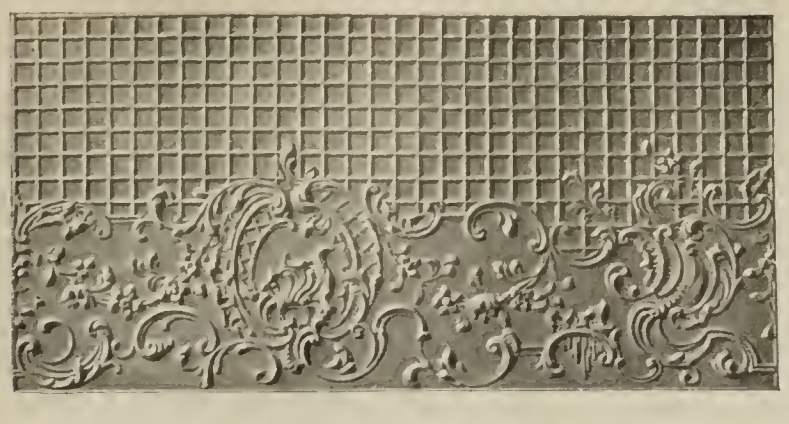
368 Section of Stair Wainscot.
Plates each 12 x 36 in.

367 1 ½ in. deep. 7 x 48 in.

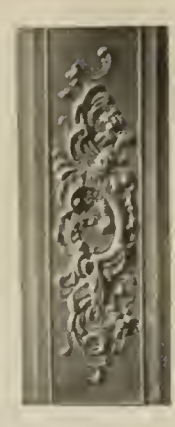
373 12 x 24 in.



375 6 x 24 in.



370 24 x 48 in.



376 6 x 24 in.

374 12 x 24 in.

369 24 x 48 in.

213 24 x 48 in.

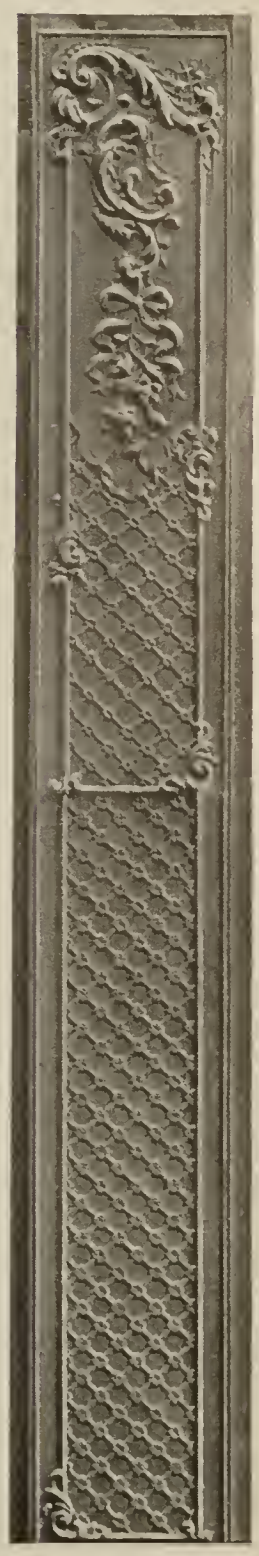
380 24 x 48 in.

NOTE—Pilaster Panels. 373. 374, 375. 376 and Pilasters 377. 378 and 379 have a flange of three inches on either side, which can be broken to increase the width over the measurements given. which are from center to center of beads.

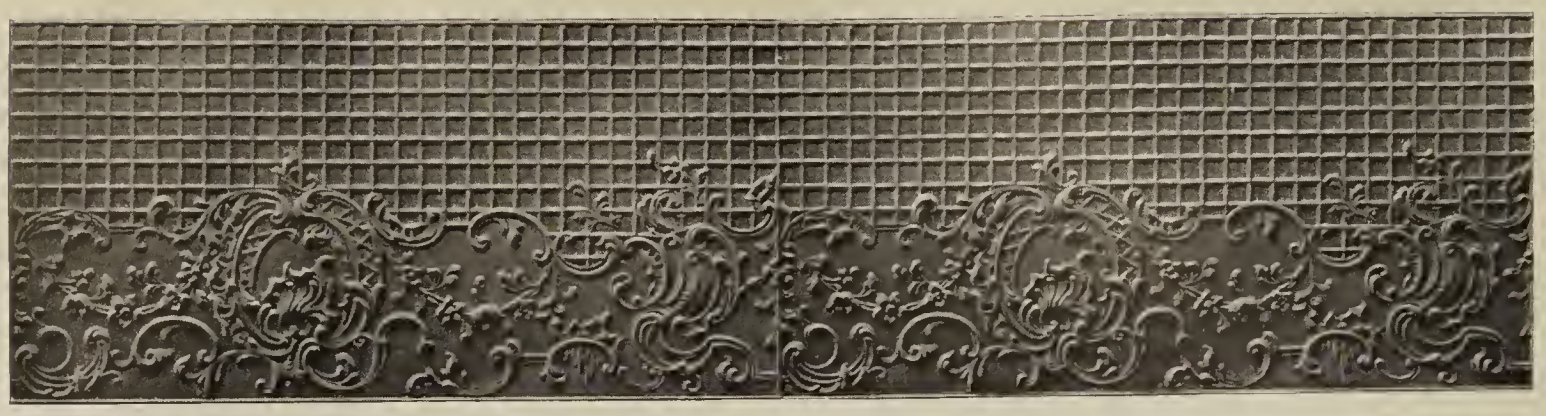
377 12 in. wide.

379 6 in. wide.

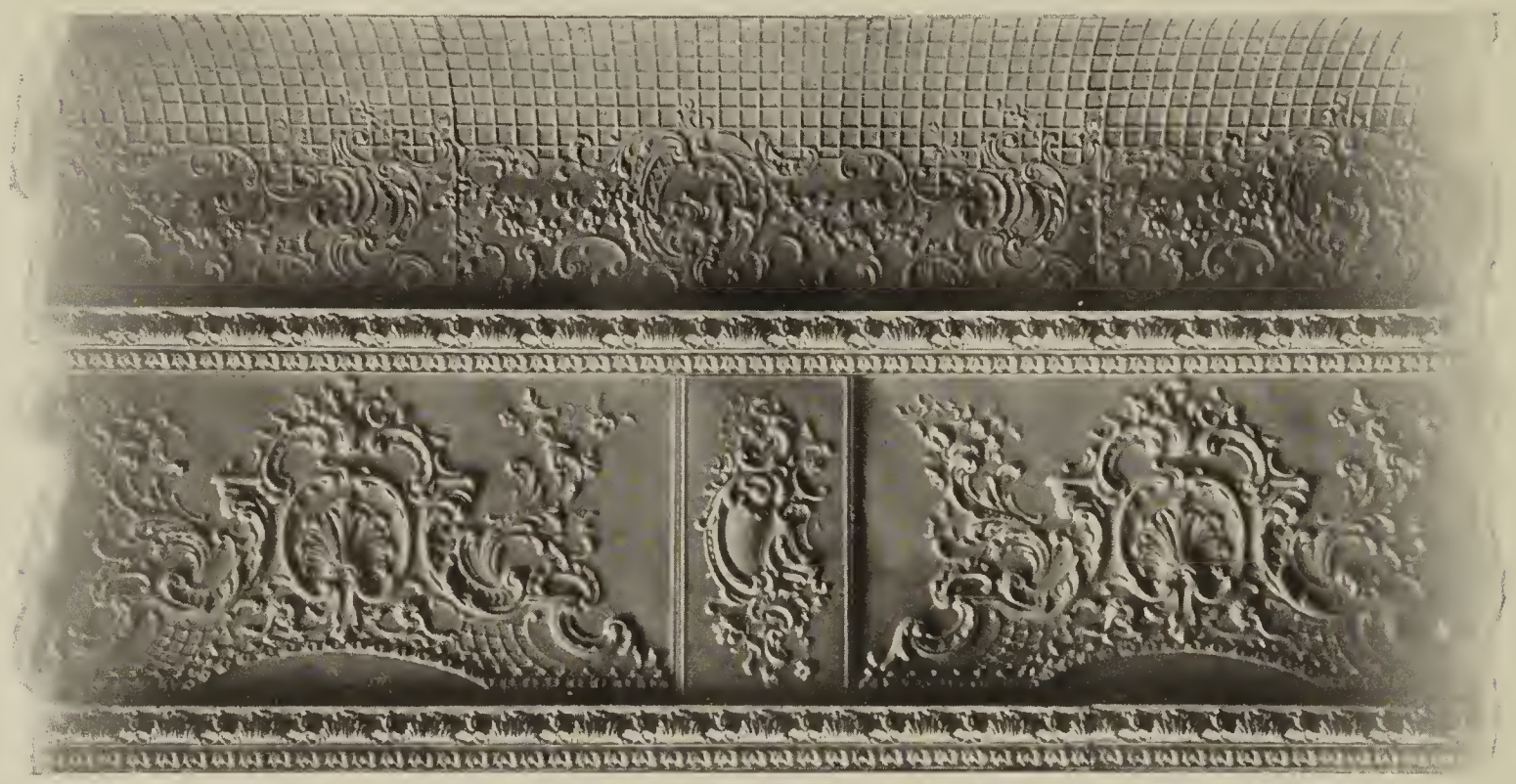
379 6 in. wide.



378 12 in. wide.



Section composed of two 24 x 48 inch Plates 370.



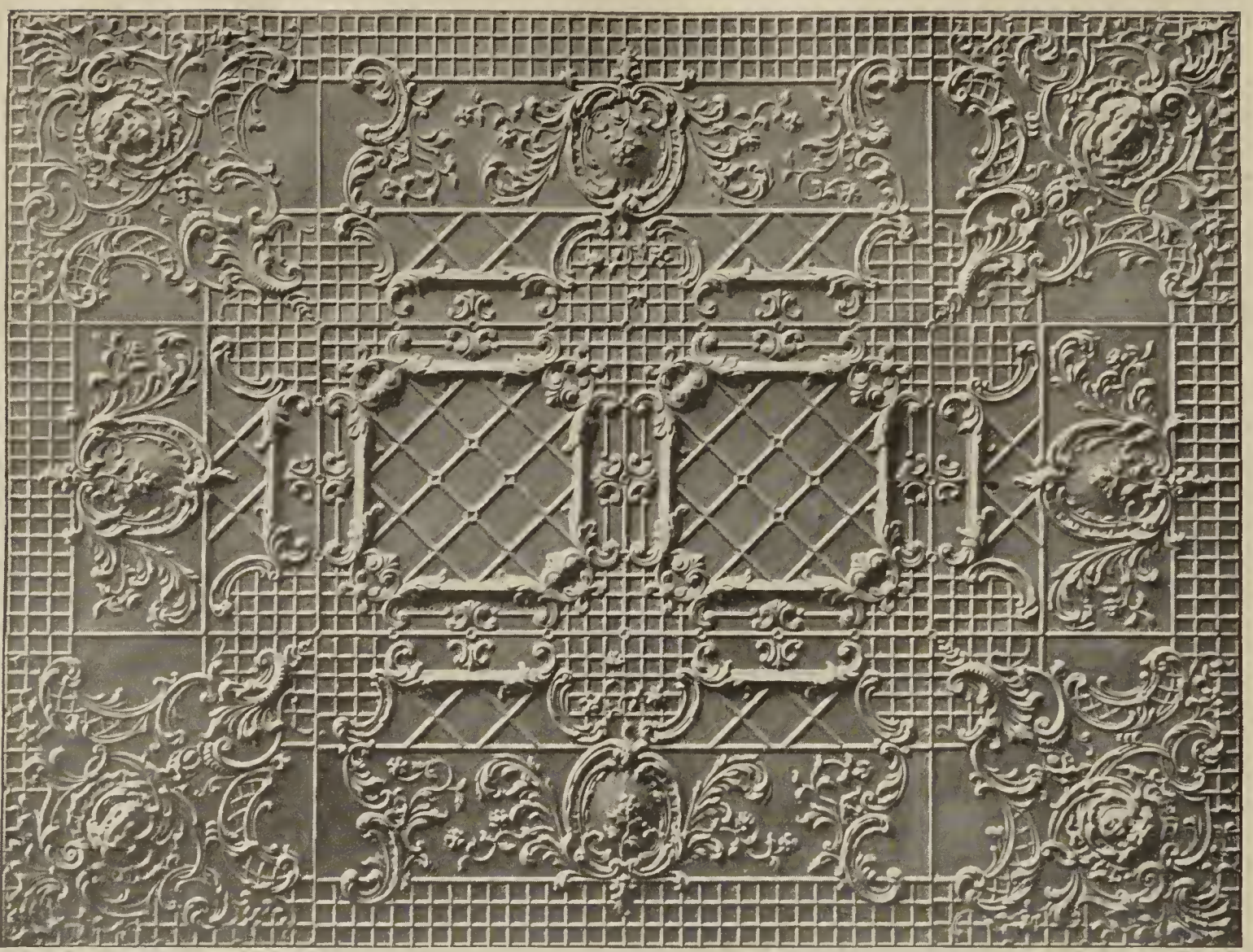
Section composed of Cove 369, Pilaster Panel 373, Two Frieze Plates 366 and Mold 381.

Section composed of Frieze Plates 364 and 365, Pilaster Panels 373 and 374, Mold 381.

Section composed of two Plates 213.

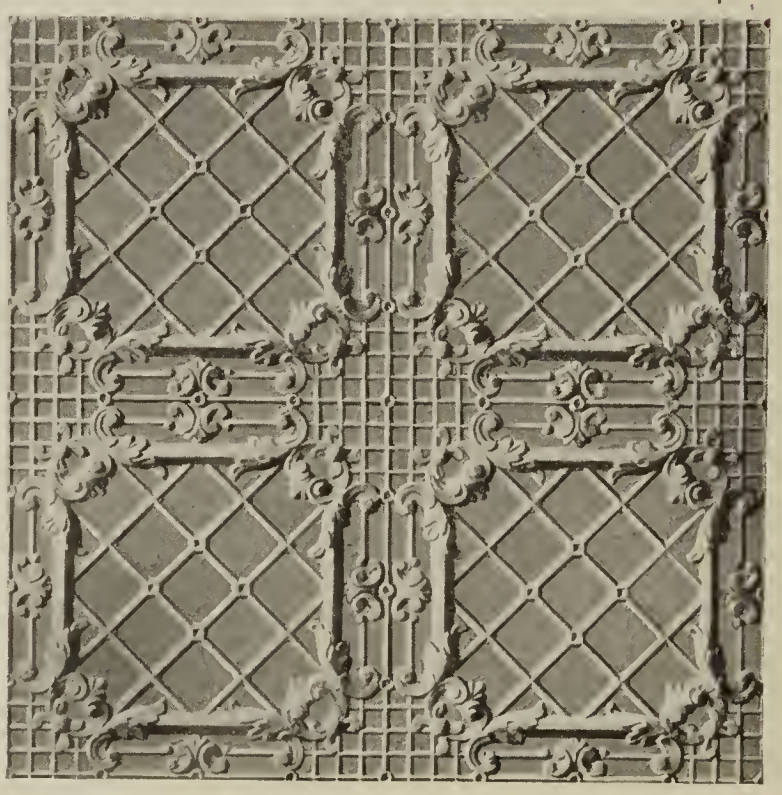
Section composed of Cove 380, Mold 381, Frieze Plates 357 and 366 and Pilaster Panels 375 and 376.

Section composed of Molding 381, Pilaster Panels 373 and 374, Frieze Plates 357, 364 and 365.

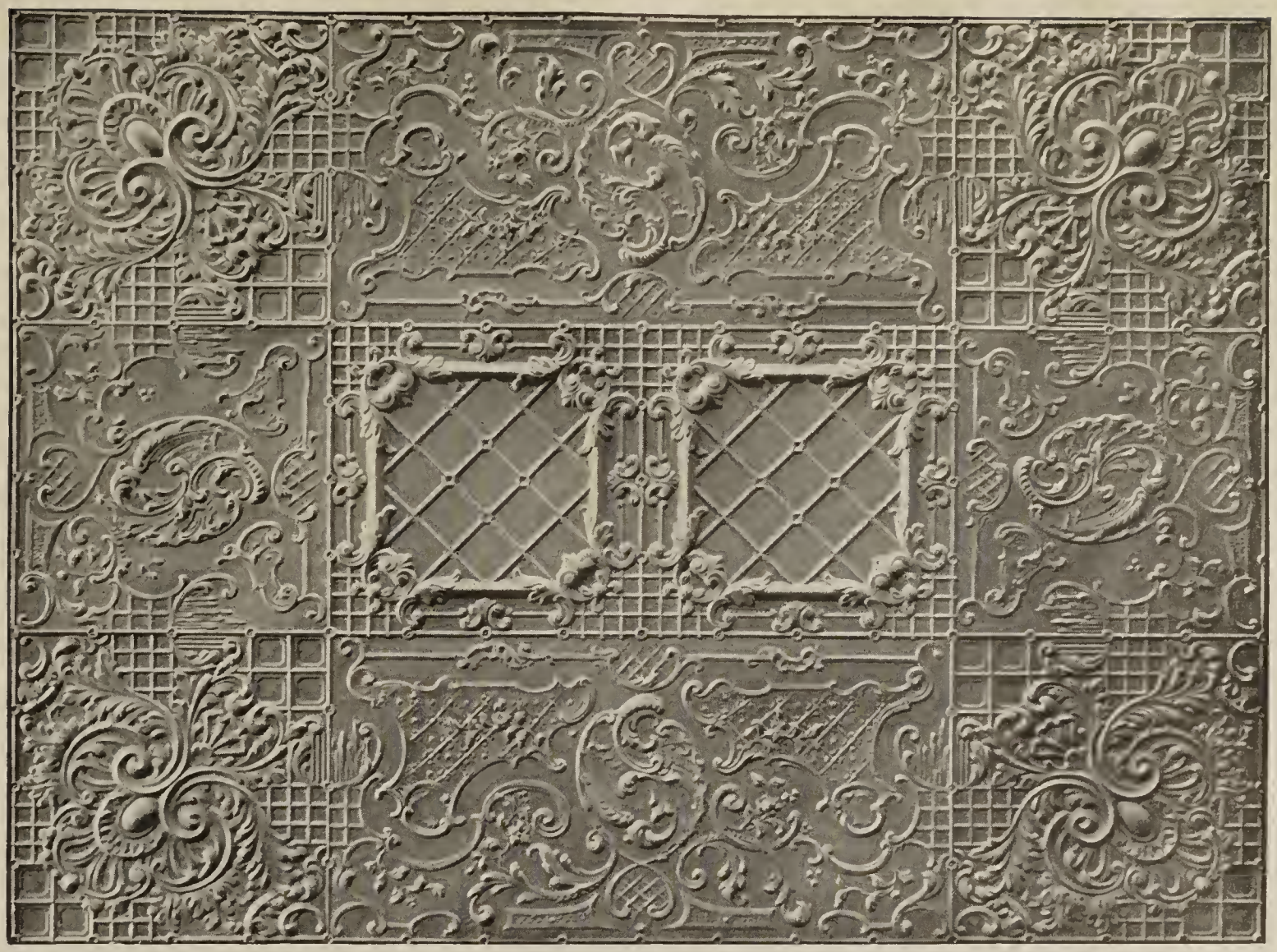


Section composed of Plates 358, 360, 361 and 211.

Section composed of four Plates of 358.



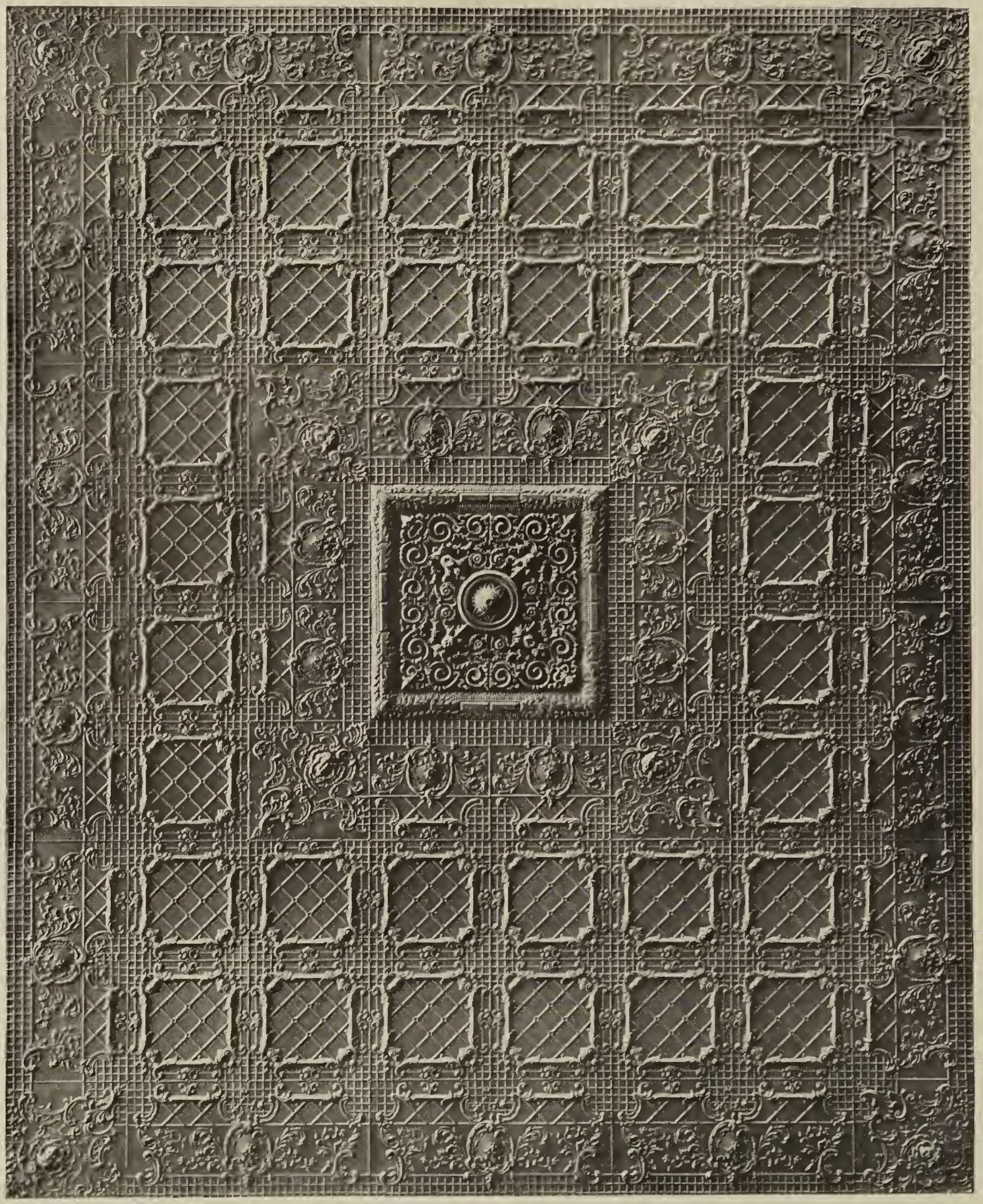
Section composed of four Plates of 211



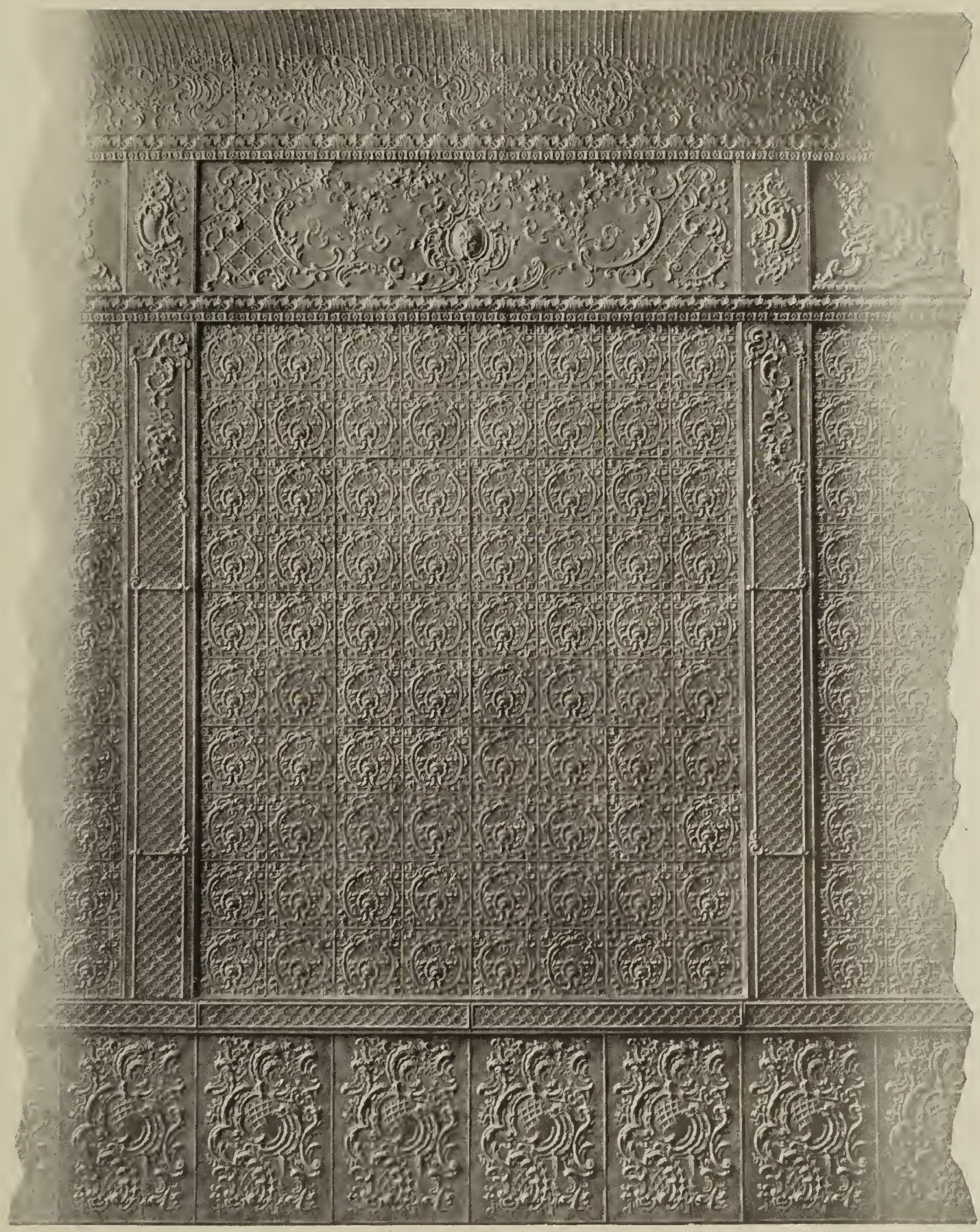
Section composed of Plates 211, 212, 213 and 363.

Section composed of four Plates 212.

Section composed of two pieces of 213.



Section composed of Plates 211, 358, 359, 360 and 361. Ells 260 and Center Z 2012.



Section of Side Wall, composed of Cove 369, Mold 381, Frieze Plates 364, 365 and 366, Pilaster Panels 373 and 374, Wall Plates 356, Pilasters 377 and 378 and Wainscot 362.

1089 Composed of Foot Mold 381, Cove 369, Mold 257, Border 361, Corner 358, Beam Face 257, Beam Side 354, Field 211.

1090 Composed of Border 361, Corner 358, Field 211, Center Z 2012, Border 360, Corner 359.

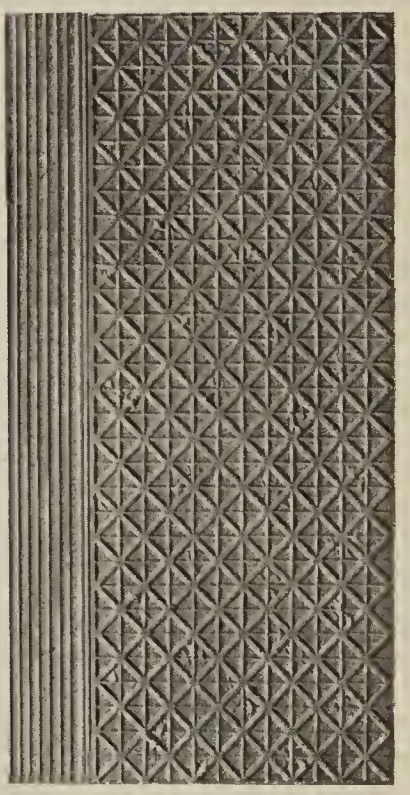
383 24 x 24 in.

384 24 x 24 in.

385 24 x 24 in.

386 24 x 24 in.

387 24 x 32 in.



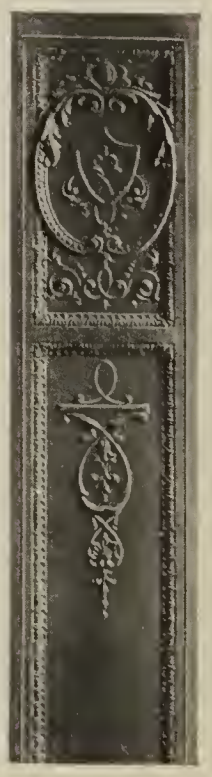
389 24 x 48 in.

395 Mitre.

388 12 x 48 in.

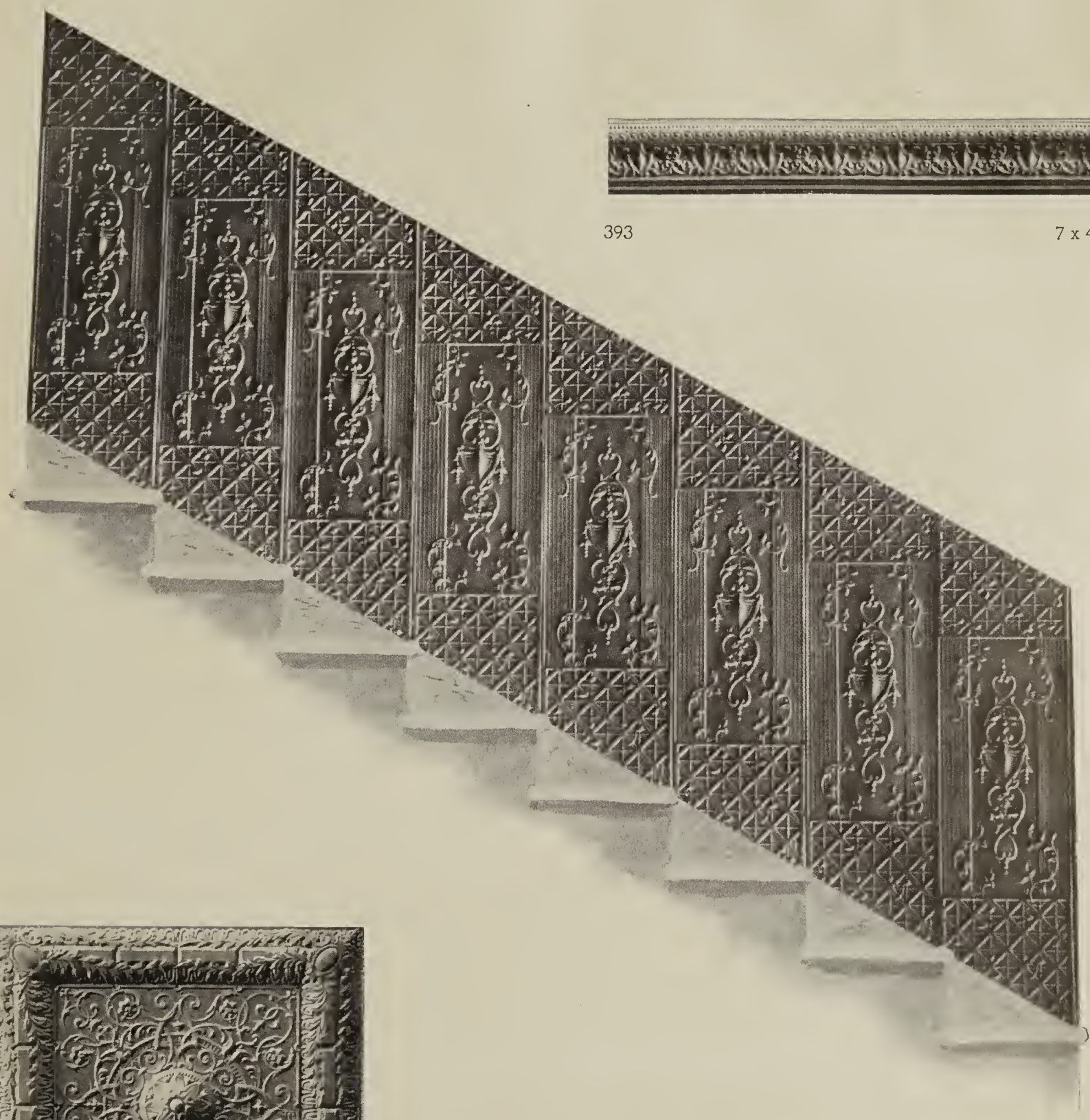
394 24 x 48 in.

390 24 x 48 in.



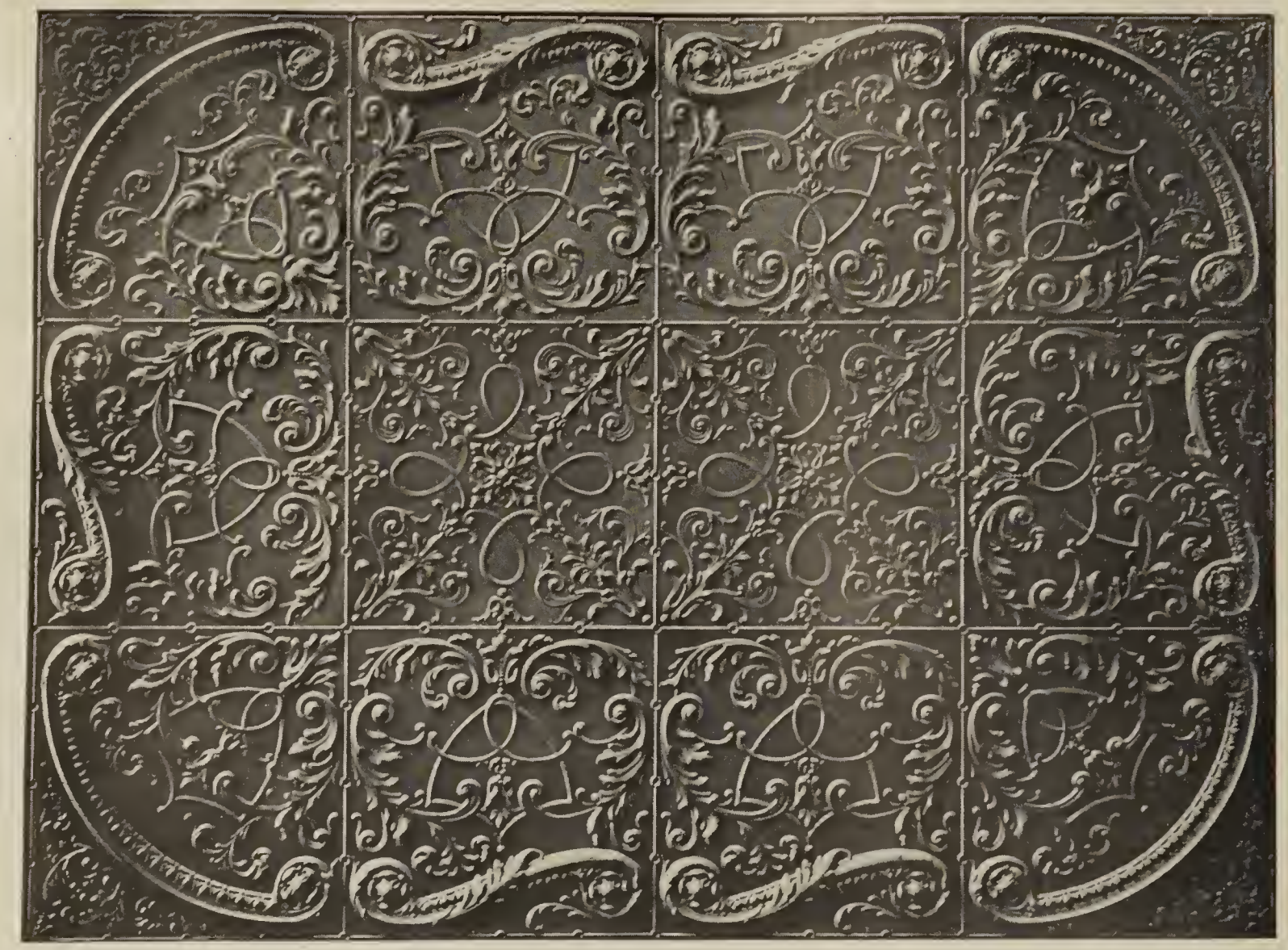
391 12 x 48 in.

393 7 x 48 in.



Section of Stair Wainscot, Plates 388.
Plates 12 x 36 in.

Center 2021 36 x 36 in.



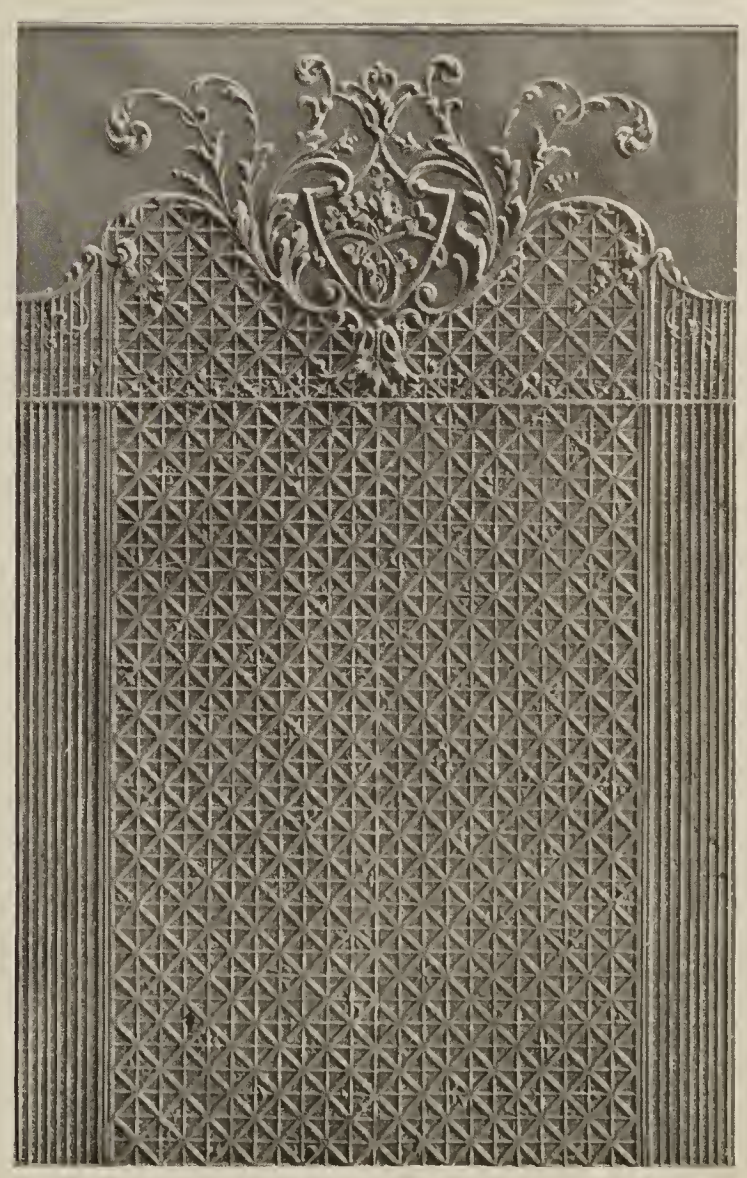
Section of Plates 383, 384 and 385.

Section of Wainscot, composed of Cap Mold 393 and Plates 387.

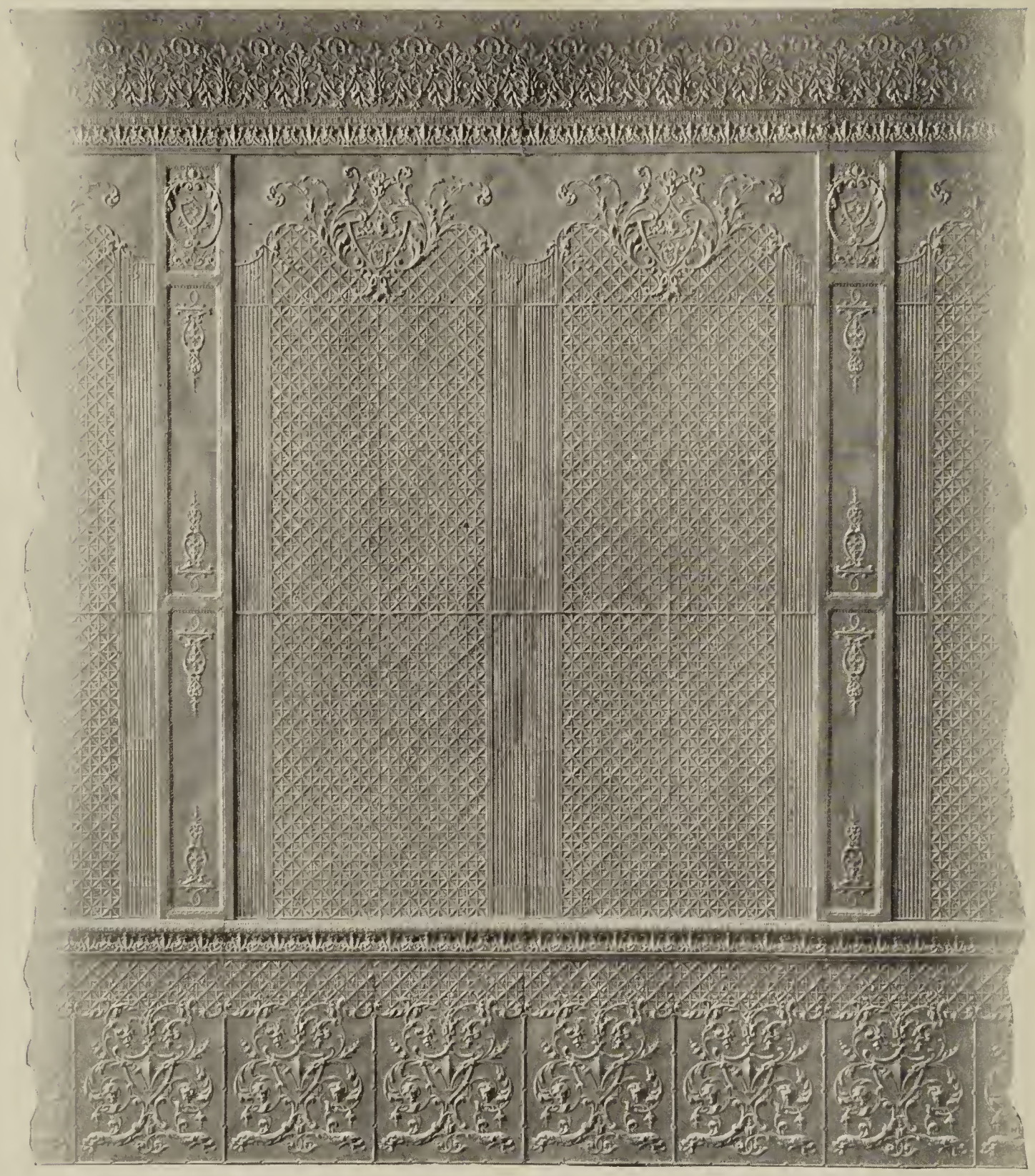
Section of four Plates 383.

Section of four Plates 383.

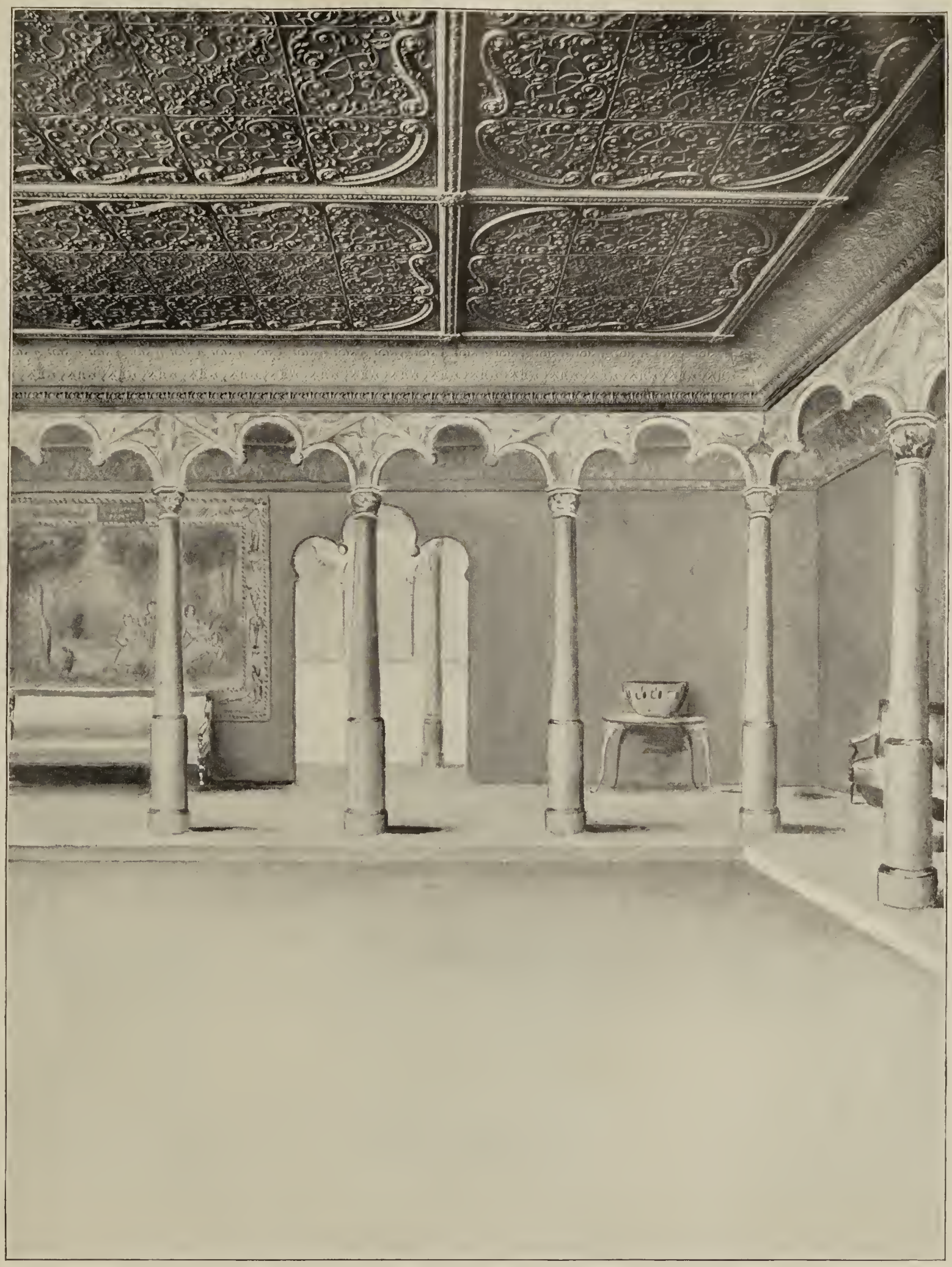
Section of Plates 383 and 384.



Section of Plates 390 and 389.

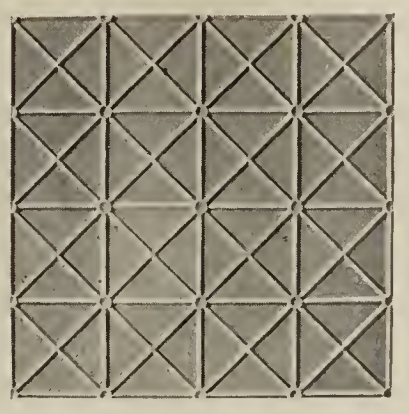


Section of Side Wall composed of Cove 394, Mold 393, Frieze 390, Wall Plates 389, Pilasters 391, Wainscot Cap 393, and Wainscot 387.

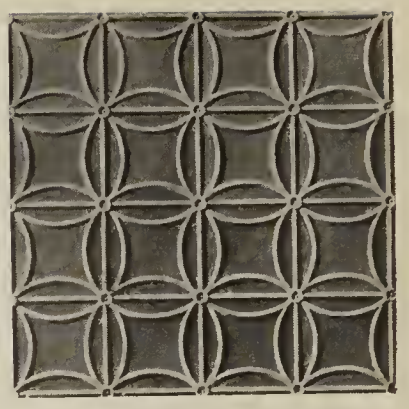


1091 Composed of Foot Mold 393, Cove 394, Mold 230, Plates 383, 384, 385.

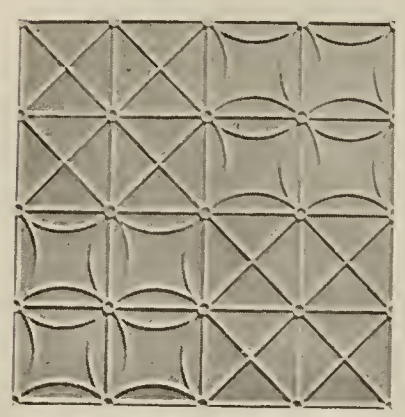
142 24 x 24 in.



146 24 x 24 in.



162 24 x 24 in.



164 24 x 24 in

175 24 x 24 in.

177 24 x 24 in.

Center 180 24 x 24 in.
2⅜ in. deep.

Center 181 24 x 24 in.
5 in. deep.

184 24 x 24 in.

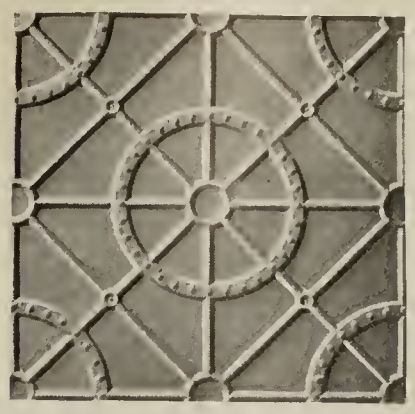
187 24 x 24 in.

188 24 x 24 in.

203 24 x 24 in.

142, 146, 162, 164, 177, 184 and 203 can be made in 4, 6 or 8 foot lengths when so specified.
Centers 180 and 181 are shown enriched with Moldings on pages 41 to 43.
188, 203 and 329 are shown in sections on pages 47 and 48.
203 is shown as a Frieze on page 36 and as a Cove on page 34.

329 24 x 24 in.



199 24 x 24 in.

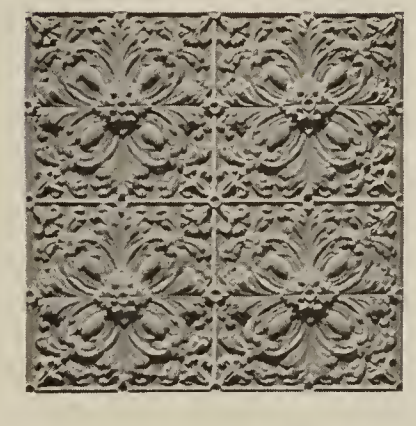
200 24 x 24 in.

204 24 x 24 in.

205 24 x 24 in.

330 24 x 24 in.

189 24 x 24 in.

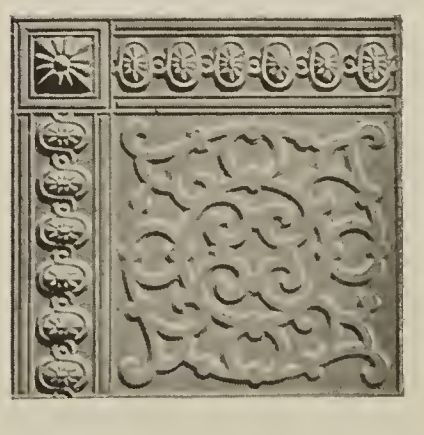


206 24 x 24 in.

207 24 x 24 in.

208 24 x 24 in.

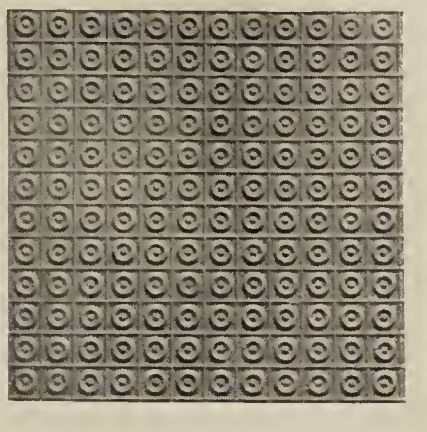
209 24 x 24 in.



210 24 x 24 in.

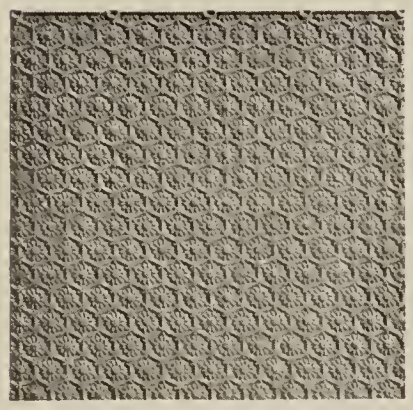
206 and 207 can be stamped in 4, 6 or 8 foot lengths, when so specified.
204, 205 and 330 are shown in sections on pages 48 and 49.
189 is shown as Frieze on page 36. 209 is shown as a Center on pages 41, 42, 43 and 44,

216 24 x 24 in.



219 24 x 24 in.

254 24 x 24 in.



255 24 x 24 in

256 24 x 24 in.

267 24 x 24 in.

268 24 x 24 in.

316 24 x 24 in.

320 24 x 24 in.

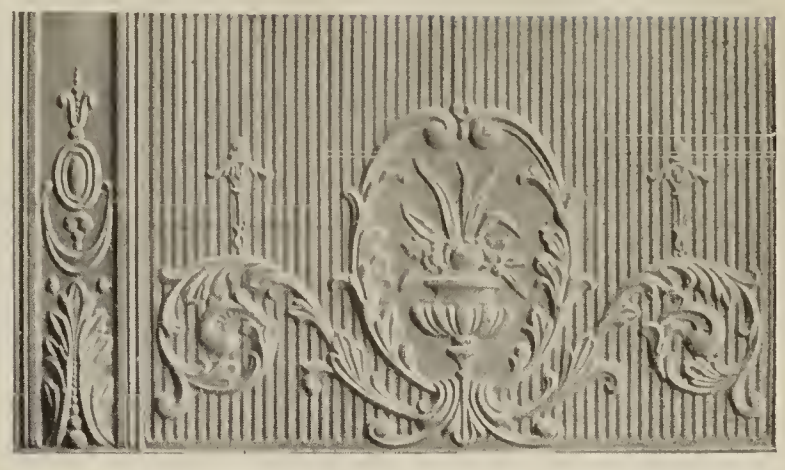
324 24 x 24 in.

327 24 x 24 in.

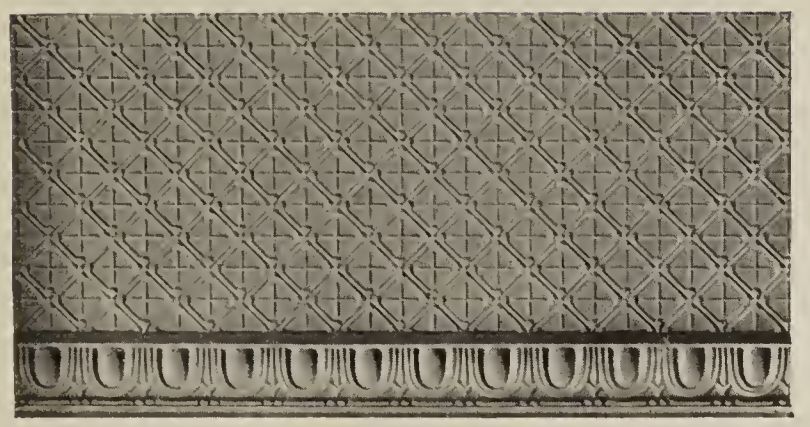
328 24 x 24 in.

216, 219, 255, 268 and 316 can be made in 4, 6 or 8 foot lengths when so specified.
316 is shown as Frieze on page 37.

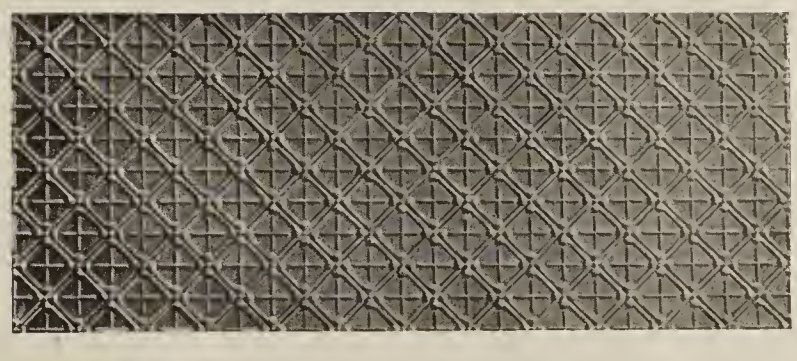
214 24 x 32 in.



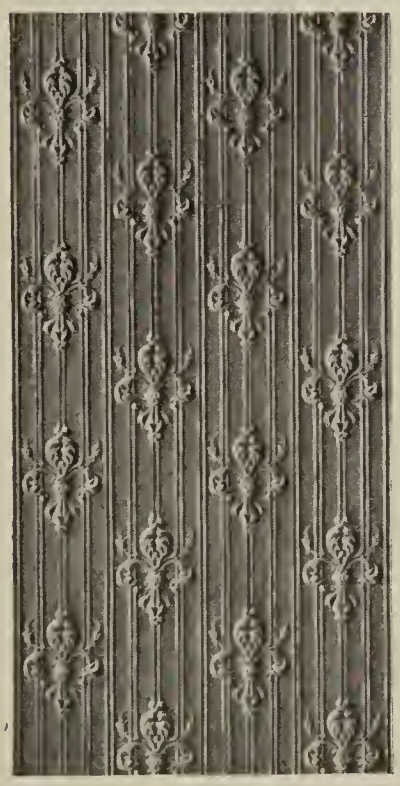
250 27 x 48 in.



262 24 x 48 in.



263 20 x 48 in.



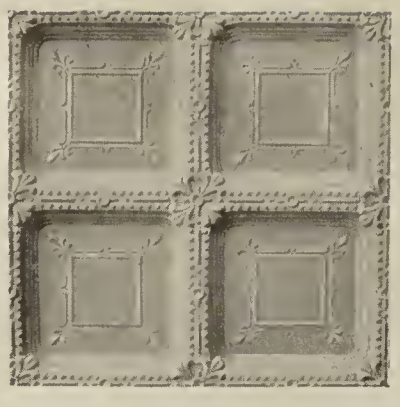
397 24¼ x 48 in.

1865 28 in. diam.

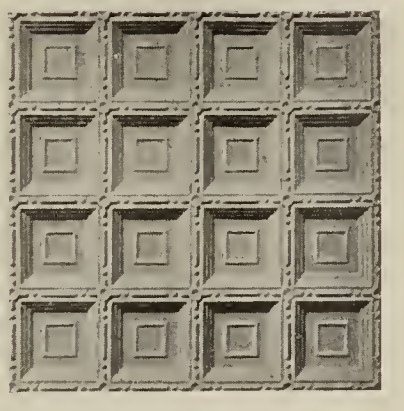
325 22 in. diam.

1804 19½ in. diam.

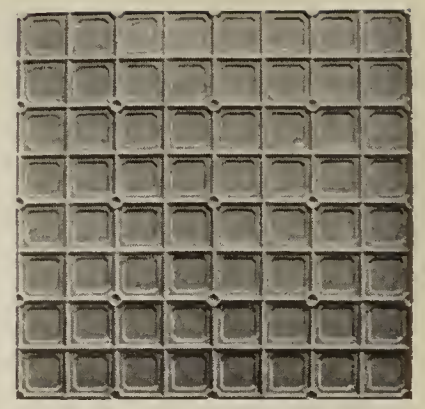
326 9 in. diam.



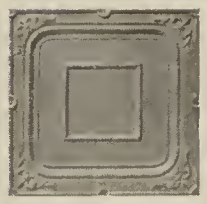
223 24 x 24 in.



224 24 x 24 in.



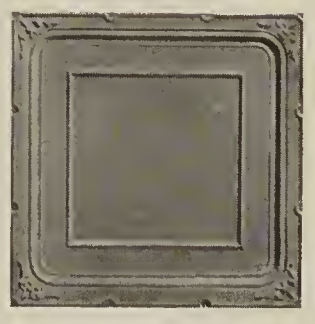
225 24 x 24 in.



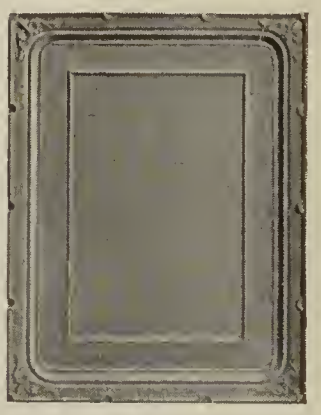
273 12 x 12 in.
½ in. deep.

274 12 x 18 in.
½ in. deep.

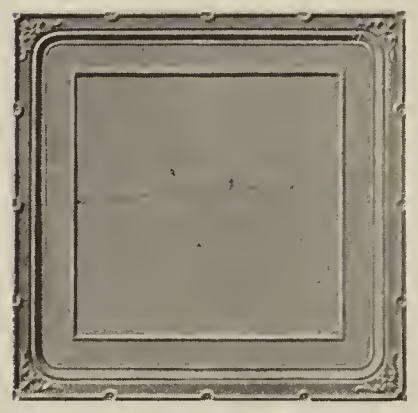
275 12 x 24 in.
½ in. deep.



276 18 x 18 in.
½ in. deep.

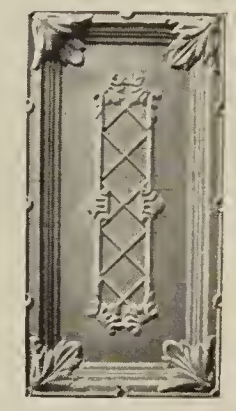


277 18 x 24 in.
½ in. deep.

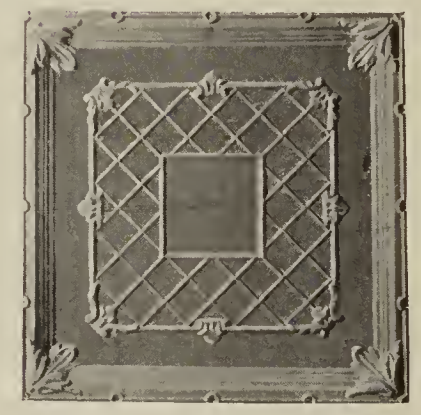


278 24 x 24 in.
½ in. deep.

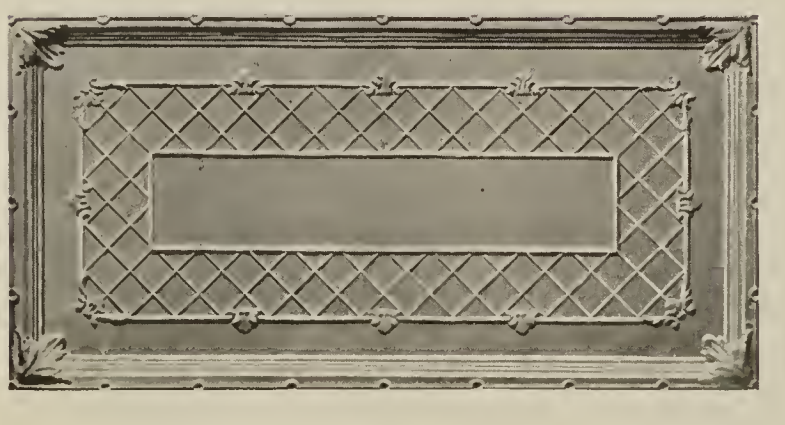
226 12 x 12 in.
¾ in. deep.



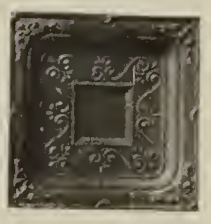
227 12 x 24 in.
¾ in. deep.



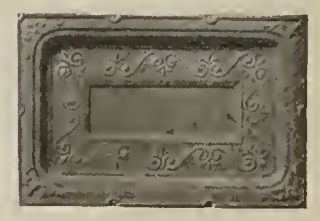
228 24 x 24 in.
¾ in. deep.



229 24 x 48 in.
¾ in. deep.



279 12 x 12 in.
1 in. deep.



280 12 x 18 in.
1 in. deep.

281 12 x 24 in.
1 in. deep.

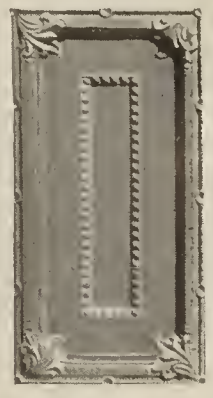
282 18 x 18 in.
1 in. deep.

283 18 x 24 in.
1 in. deep.

284 24 x 24 in.
1 in. deep.

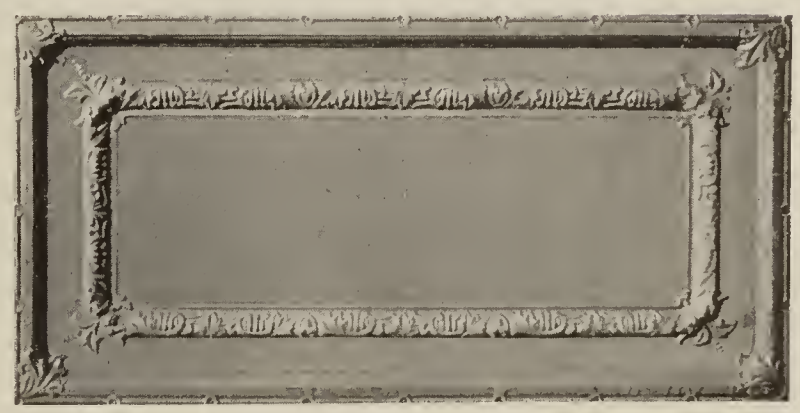
285 24 x 48 in.
1 in. deep.

306 12 x 12 in.
1⅛ in. deep.



307 12 x 24 in.
1⅛ in. deep.

308 24 x 24 in.
1⅜ in. deep.

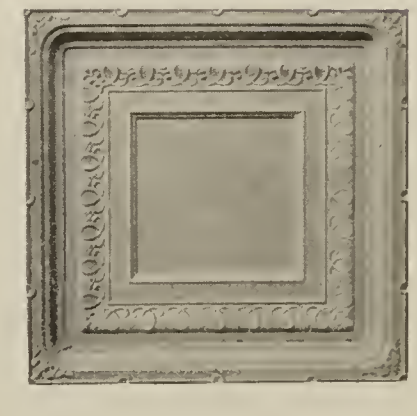


309 24 x 48 in.
1⅜ in. deep.

310 24 x 24 in.
1⅜ in. deep.

271¼ 12 x 12 in.
1⅛ in. deep.

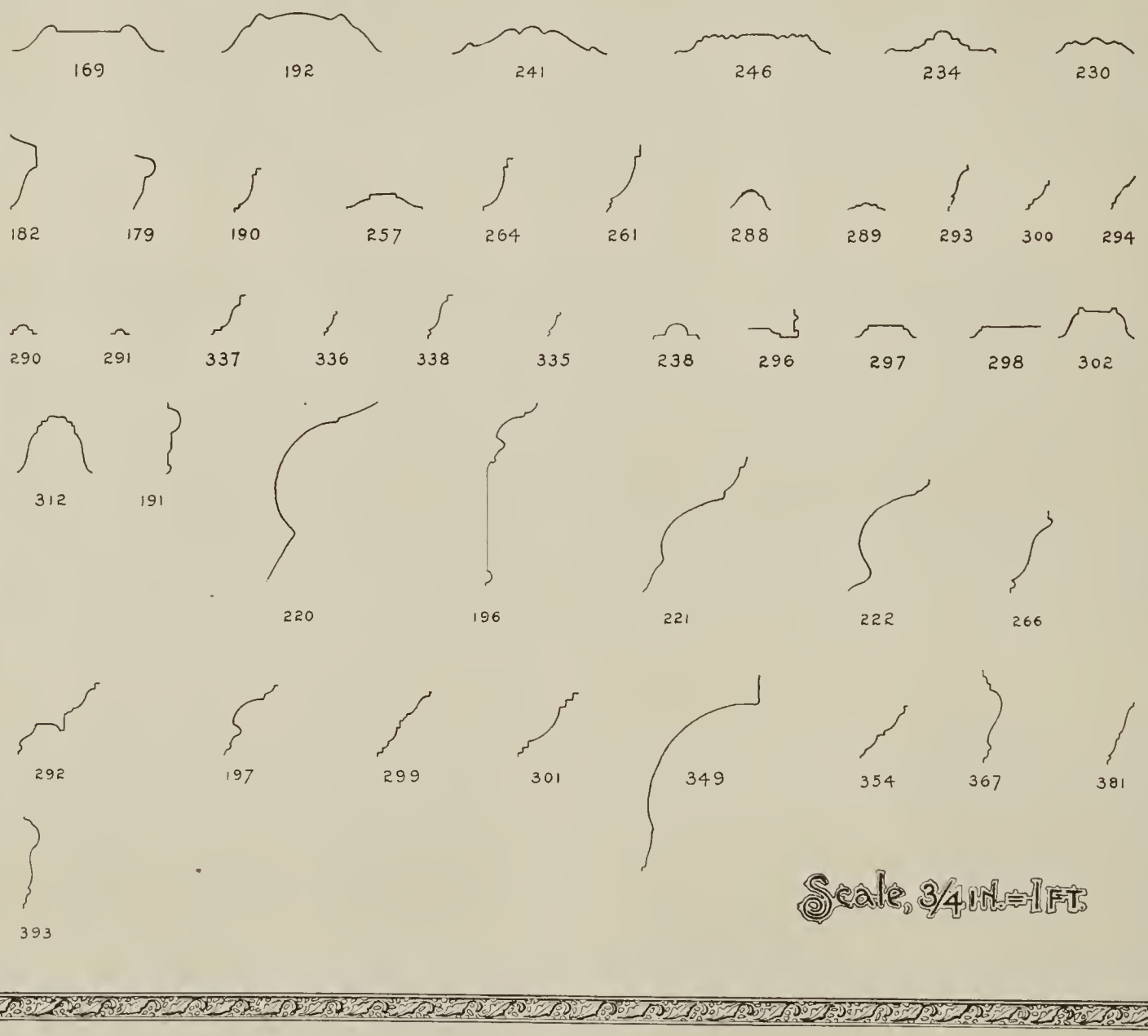
271½ 12 x 24 in.
1⅛ in. deep.



271 24 x 24 in.
1⅛ in. deep.

272 1⅛ in. deep. 24 x 48 in.

Profiles of Cornices and Molds.



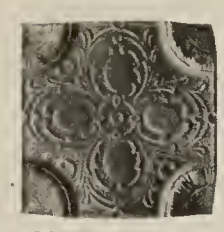
169 2 in. deep. 12 x 48 in.

192 2¾ in. deep. 12 x 48 in.

170 12 x 12 in.

171 12 x 12 in.

172 12 x 12 in.

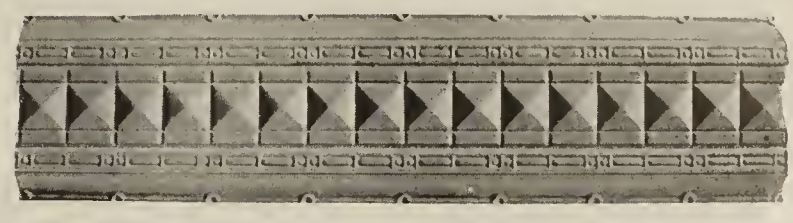


193 12 x 12 in.

194 12 x 12 in.

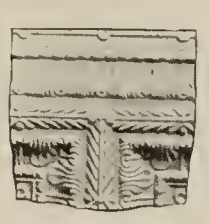
195 12 x 12 in.

241 1¾ in. deep. 12 x 48 in.



246 ⅞ in. deep. 12 x 48 in.

242 12 x 12 in.

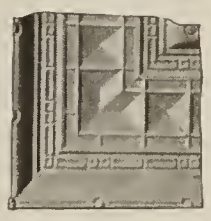


243 12 x 12 in.

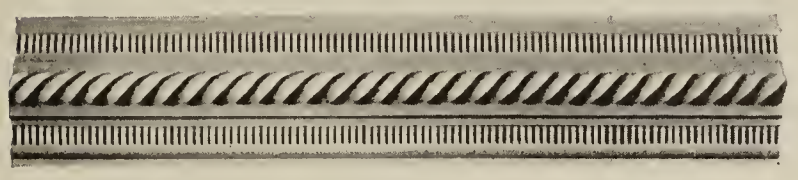
244 12 x 12 in.

247 12 x 12 in.

248 12 x 12 in.



249 12 x 12 in.



234 1¾ in. deep. 9 x 48 in.

235 9 x 9 in.

236 9 x 9 in.

237 9 x 9 in.

230 1 in. deep. 6 x 48 in.

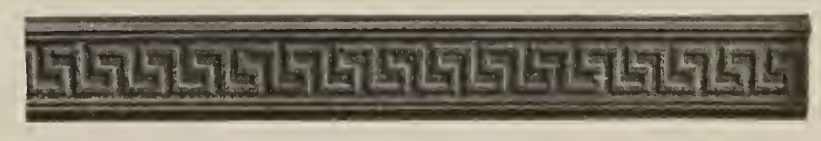
231 6 x 6 in.

232 6 x 6 in.

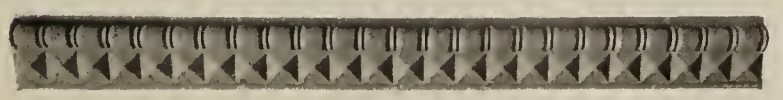
233 6 x 6 in.

183 6 x 6 in

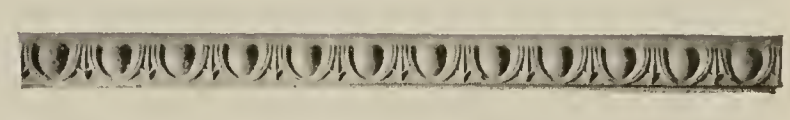
182 2⅛ in. deep. 6 x 48 in.



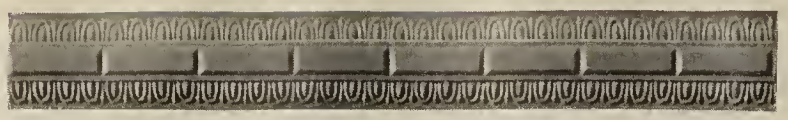
239 Flat. 6 x 48 in.



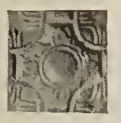
179 1¾ in. deep. 4⅛ x 48 in.



190 1½ in. deep. 4 x 48 in.

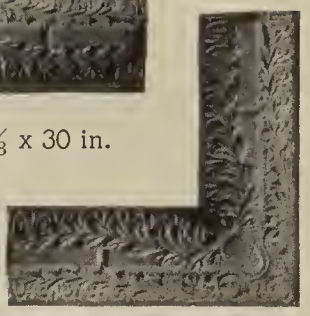


257 ¾ in. deep. 5⅝ x 48 in.

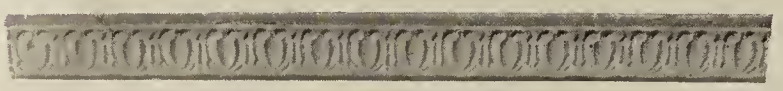


258 5⅝ x 5⅝ in.

259 5⅝ x 30 in.



260 18 x 18 in.



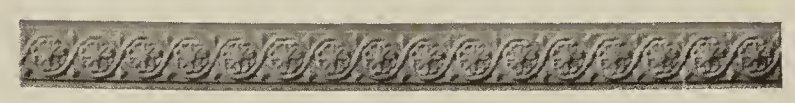
264 2¼ in. deep. 4 x 48 in.

286 ¼ in. deep. 6 x 48 in.

287 ¼ in. deep. 6 x 48 in.

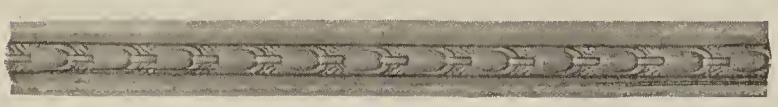
261 2½ in. deep. 5 x 48 in.

270 ⅛ in. deep. 4 x 48 in.



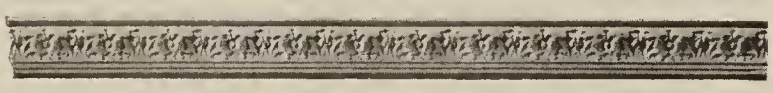
265 $\frac{3}{16}$ in. deep. 3¼ x 48 in.

269 $\frac{3}{16}$ in. deep. 3¼ x 48 in.



288 1½ in. deep. 3 x 48 in.

289 ⅝ in. deep. 3 x 48 in.



293 1½ in. projection. 3½ x 48 in.

300 1¾ in. projection. 2½ x 48 in.

294 1 in. projection. 2¼ x 48 in.

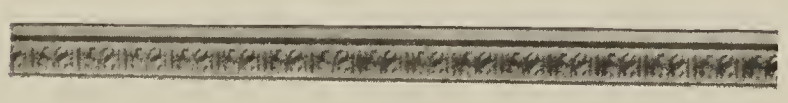
290 ⅝ in. deep. 1½ x 48 in.

291 Flat. 1½ x 48 in.

335 1¼ in. projection. 2 x 48 in.

311 ⅝ bead, 1 in. aprons. 48 in. long.

336 1 in. projection. 1 x 48 in.



337 1½ in. projection. 3 x 48 in.

338 1 in. projection. 3 x 48 in.

238 2 in. deep. 4 x 48 in.

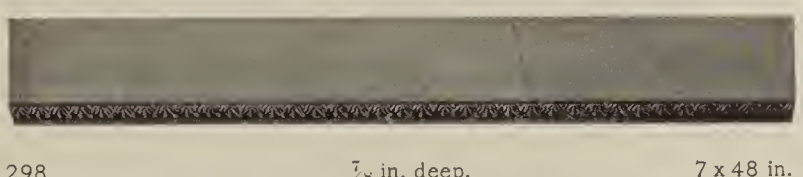
295 ¼ in. deep. ½ x 48 in.

317 18 x 48 in.

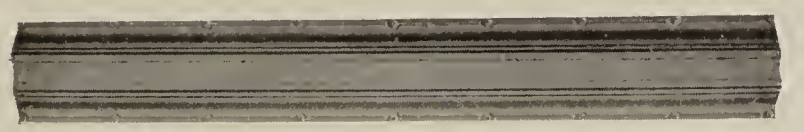
321 18 x 18 in.

322 18 x 18 in.

296 2½ in. variation in which to break. 6 x 48 in.



298 ⅞ in. deep. 7 x 48 in.

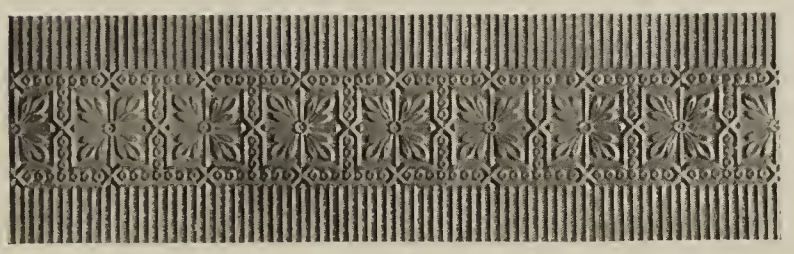


302 2¼ in. deep. 6 x 48 in.

303 5½ x 5½ in.

304 5½ x 5½ in.

305 5½ x 5½ in.



201 14½ x 48 in.

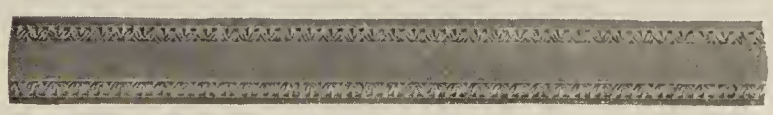
198 Section made of two 9 x 24 in. pieces.

318 12 x 48 in.

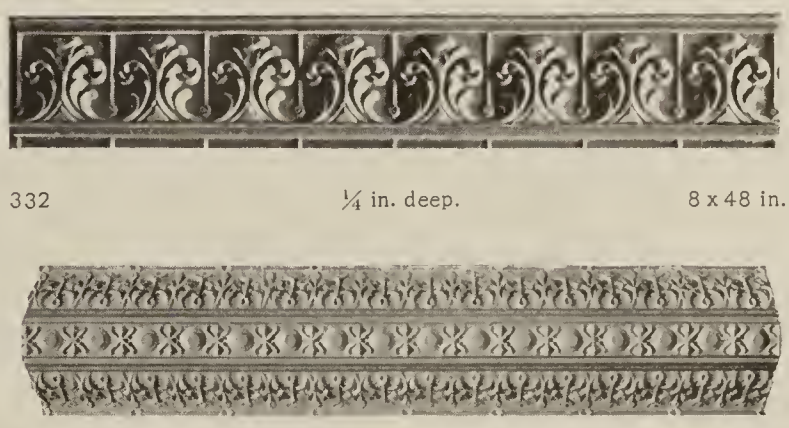
319 6 x 48 in.

323 6 x 6 in.

340 6 x 6 in.



297 ⅞ in. deep. 4½ x 48 in.



332 ¼ in. deep. 8 x 48 in.

312 4½ in. deep. 6 x 48 in.

313 5½ x 5½ in.

314 5½ x 5½ in.

315 5½ x 5½ in.

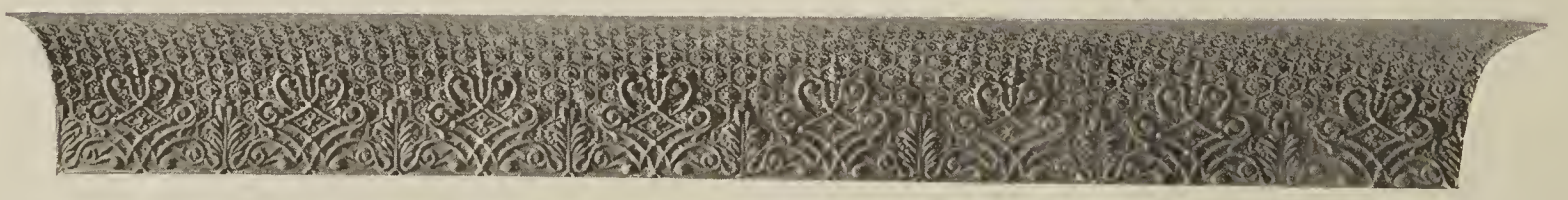
187 Section made of two 12 x 24 in. pieces.

191 2 in. deep. 5½ x 48 in.

176 8 foot section, composed of four 24 x 24 in. Plates, Coved.

215 8 foot section, composed of four 24 x 32 in. Plates. Coved.

251 8 foot section, composed of two 27 x 48 in. Plates. Coved.

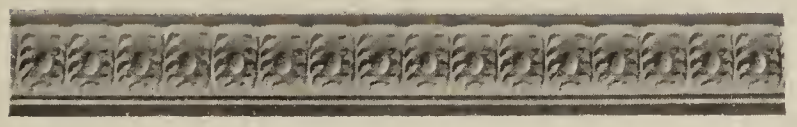


217 8 foot sheet. Coved.

203½ 8 foot section, composed of four 24 x 24 in. Plates.

220 15 in. deep, 9 in. projection. 48 in. long.

221 10 in. deep, 7½ in. projection. 48 in. long.



266 6½ in. deep, 3 in. projection. 48 in. long.

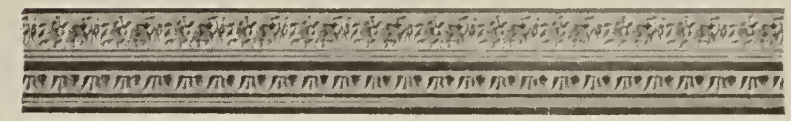
197 5 in. deep, 4 in. projection. 48 in. long.

301 5 in. deep, 4½ in. projection. 48 in. long.

196 5in. deep, 4 in. projection, 9 in. frieze. 48 in. long.

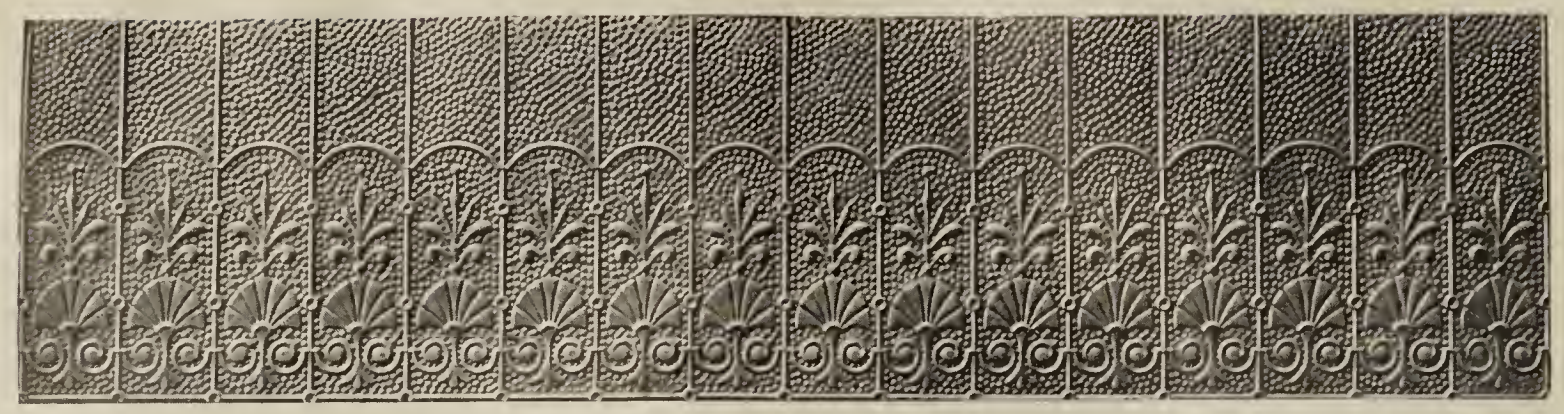
222 7¾ in. deep, 6 in. projection. 48 in. long.

292 5½ in. deep, 6 in. projection. 48 in. long.



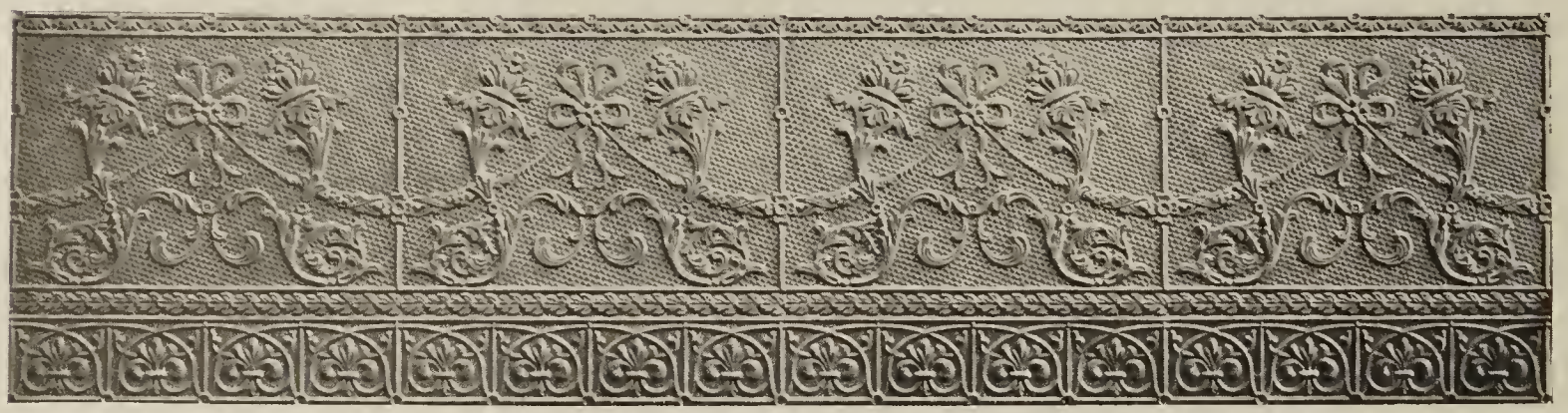
299 5 in. deep, 4 in. projection. 48 in. long.

178 Leaf Mitre.



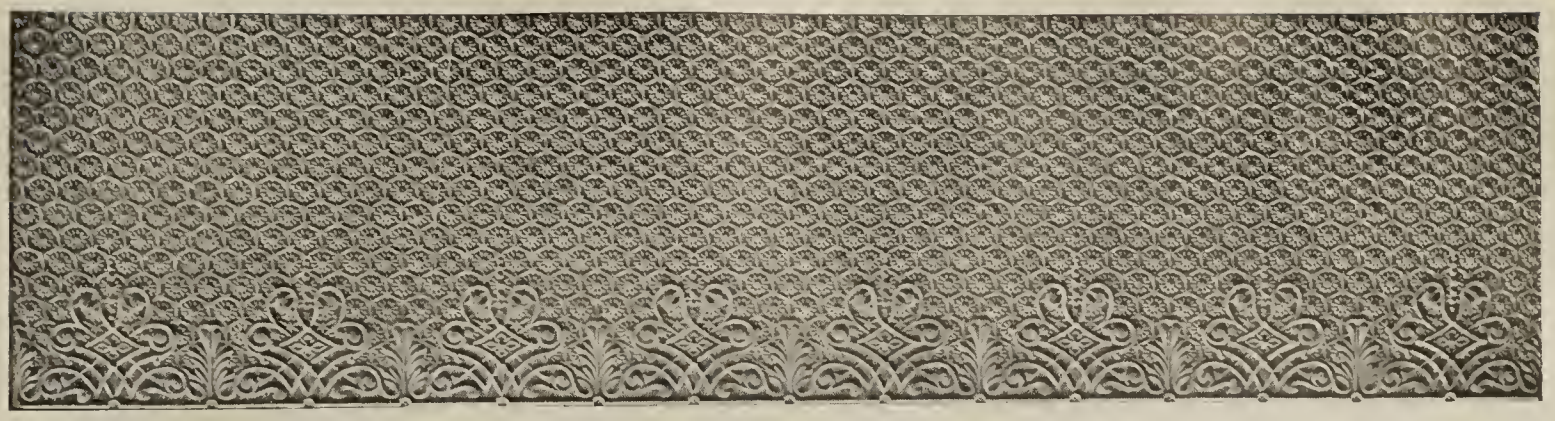
175 Section, composed of four 24 x 24 in. Plates.

189 Section, composed of four 24 x 24 in. Plates.

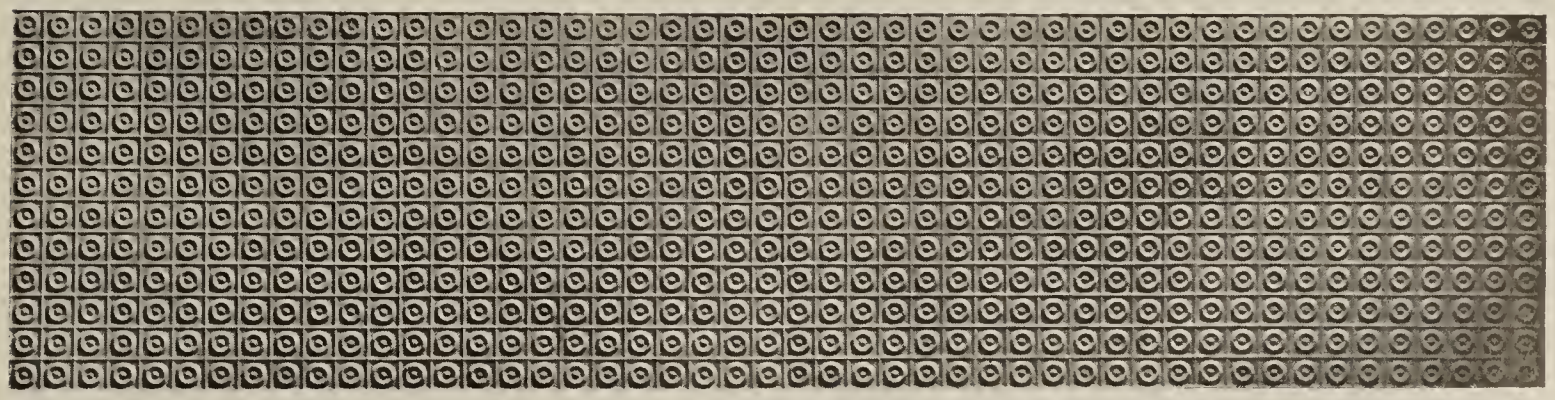


203 Section, composed of four 24 x 24 in. Plates.

205 Section, composed of four 24 x 24 in. Plates.



216 24 x 96 in.



219 24 x 96 in.

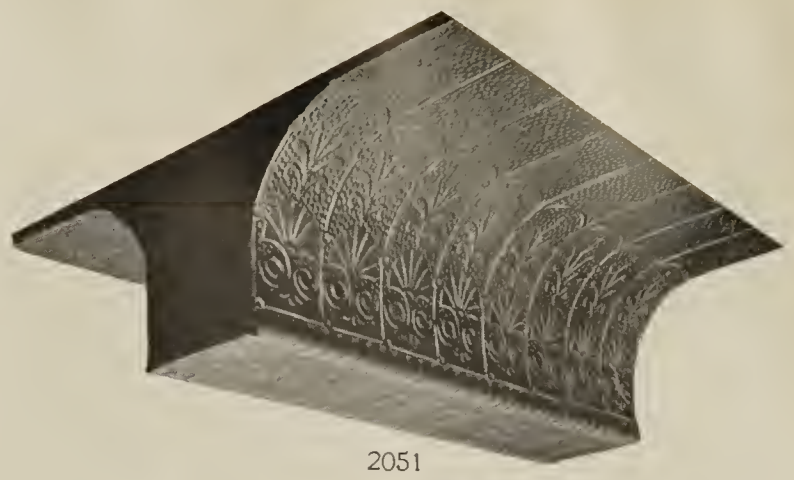
316 Section composed of two 24 x 48 in. Plates.

250 Section composed of two 27 x 48 in. Plates.

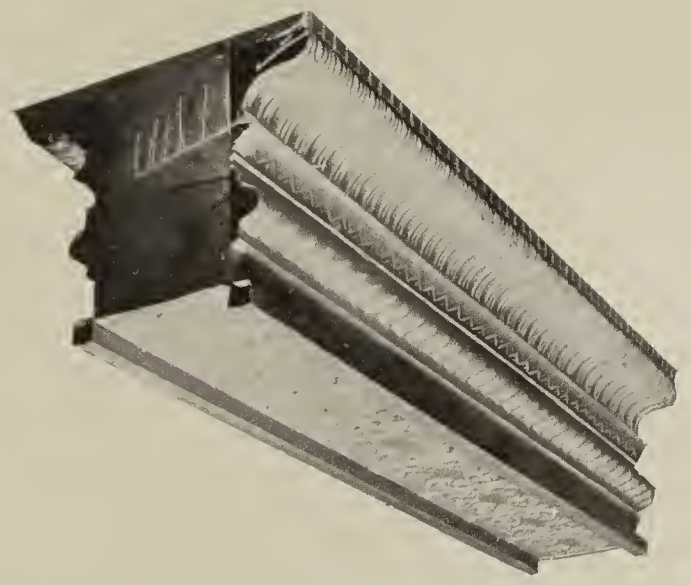
214 Section composed of four 32 x 24 in. Plates.

228 Section composed of four 24 x 24 in. Plates.

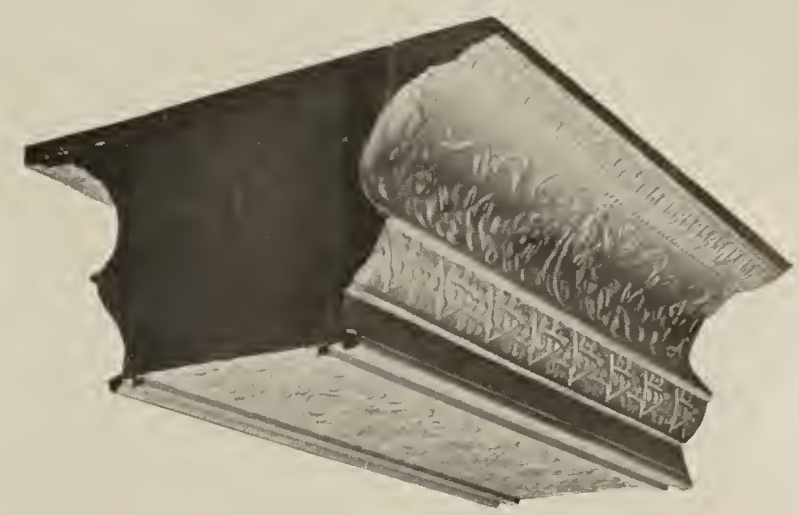
2050



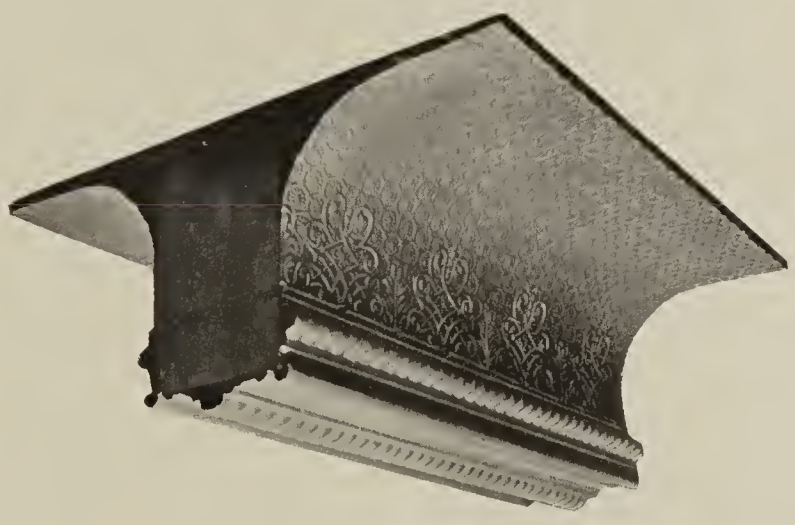
2051



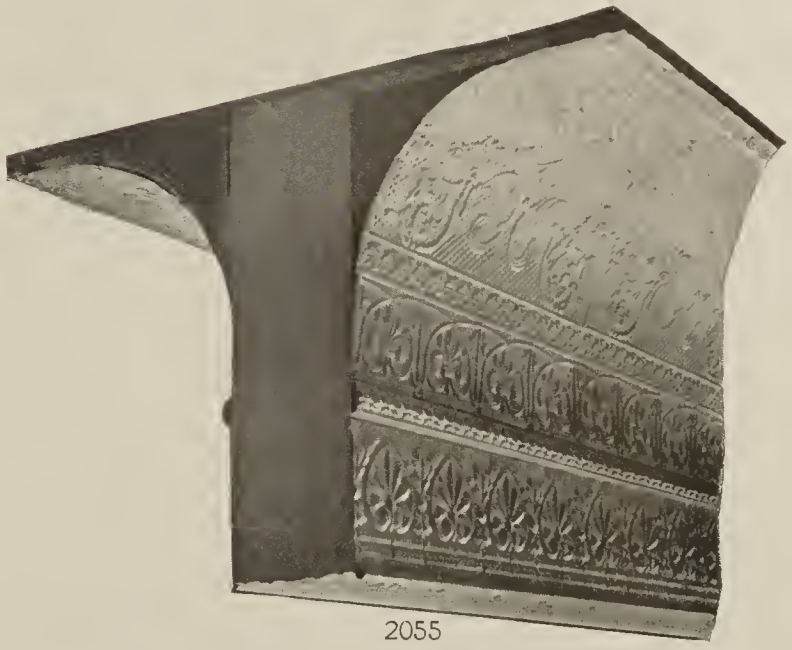
2052



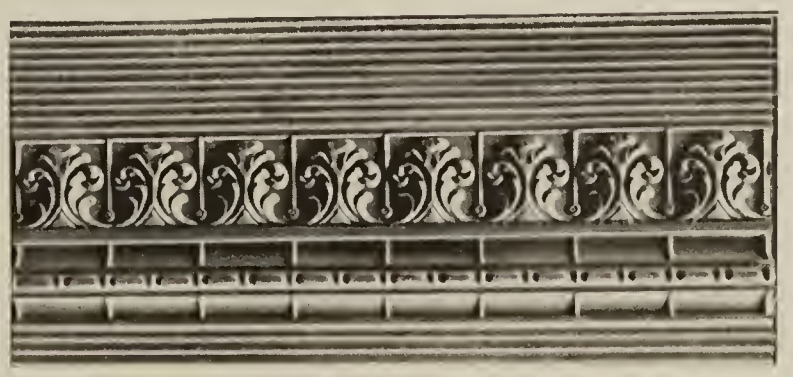
2053



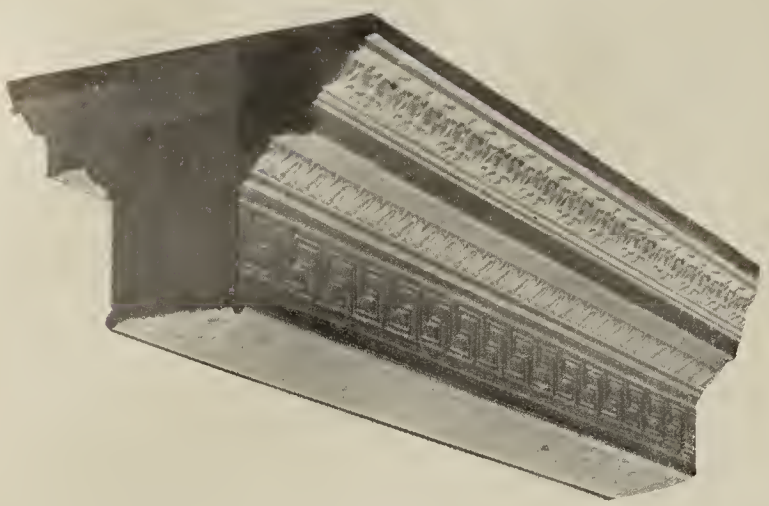
2054



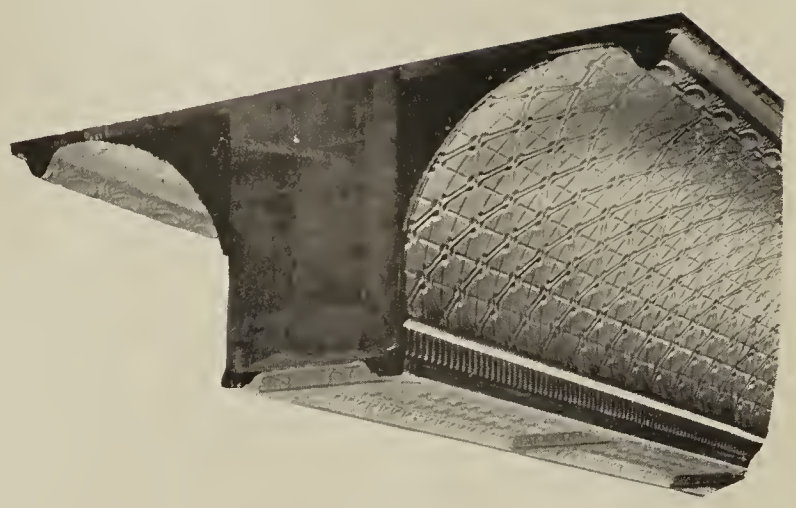
2055



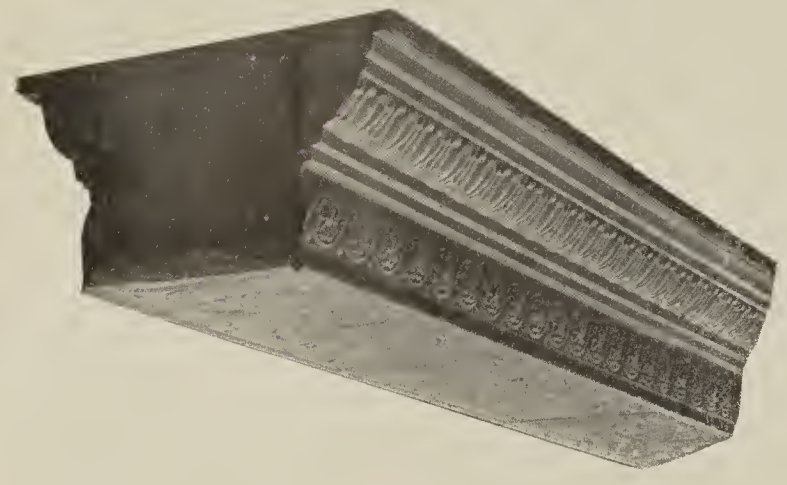
240 Beam Cover, adjustable sides and face, 48 in. long.



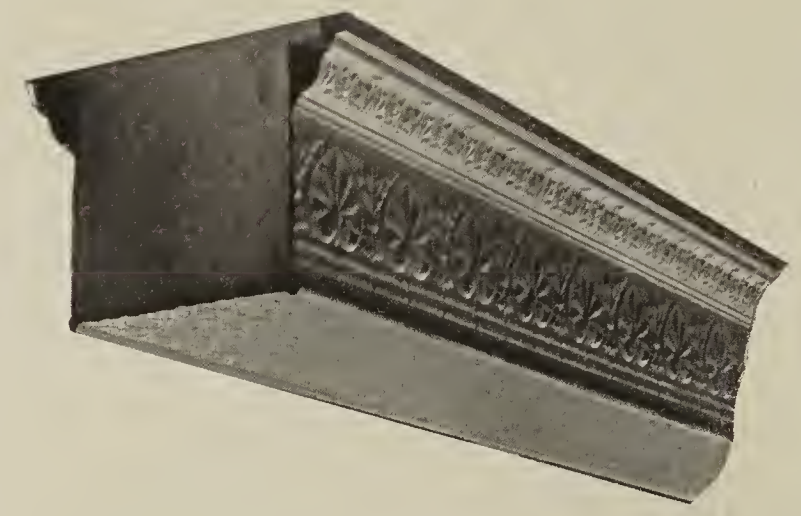
2056



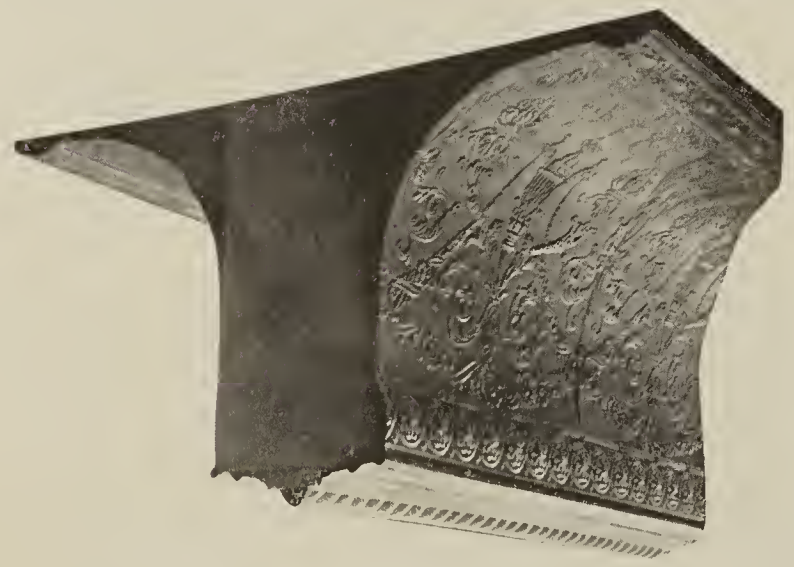
2059



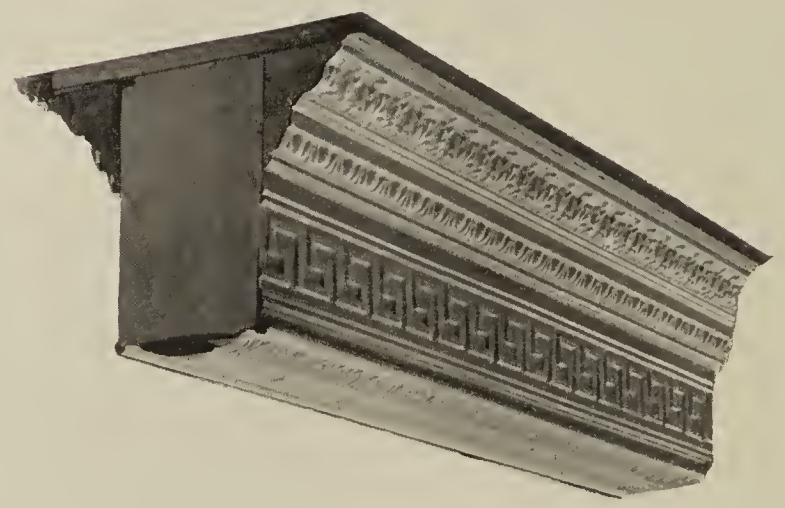
2057



2060

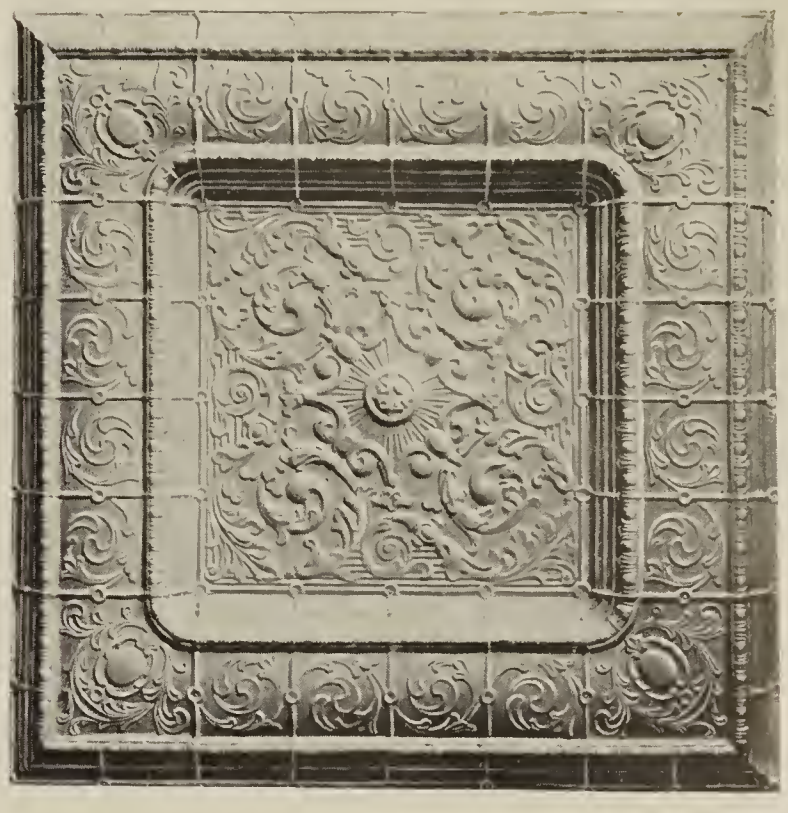


2058



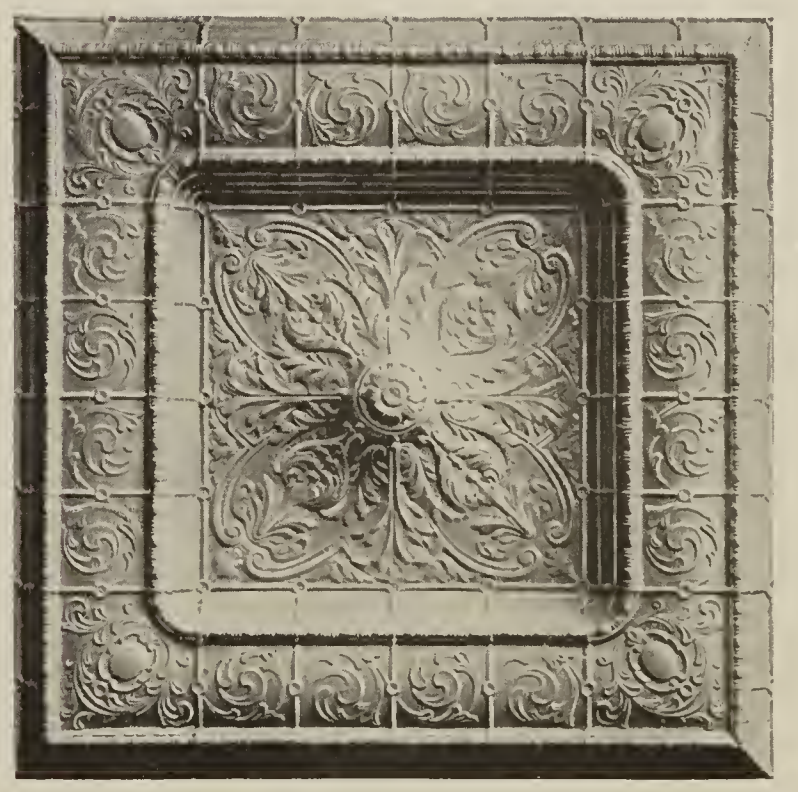
2061

1015 48 x 48 in.



2000 48 x 48 in.

2001 48 x 48 in.



1050 48 x 48 in.

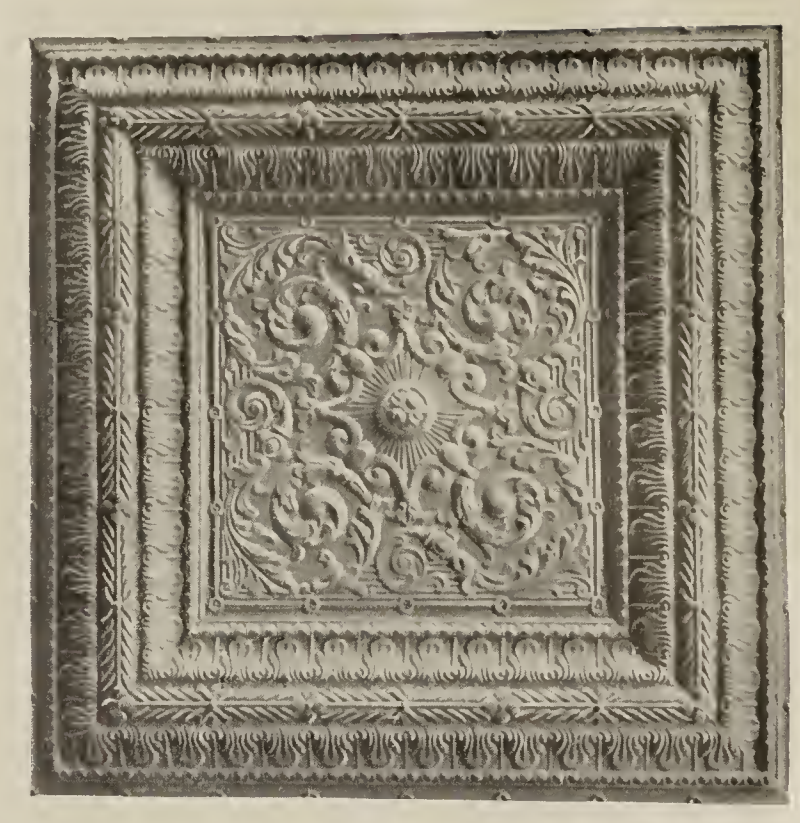
1001 48 x 48 in.

2002 48 x 48 in.

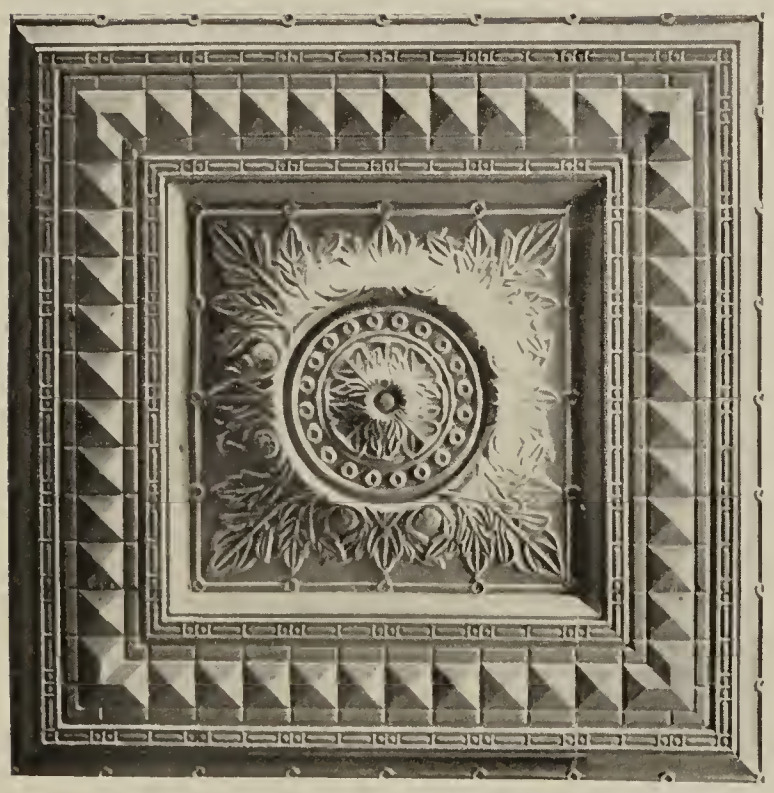
253 48 x 48 in.

2003 48 x 48 in.

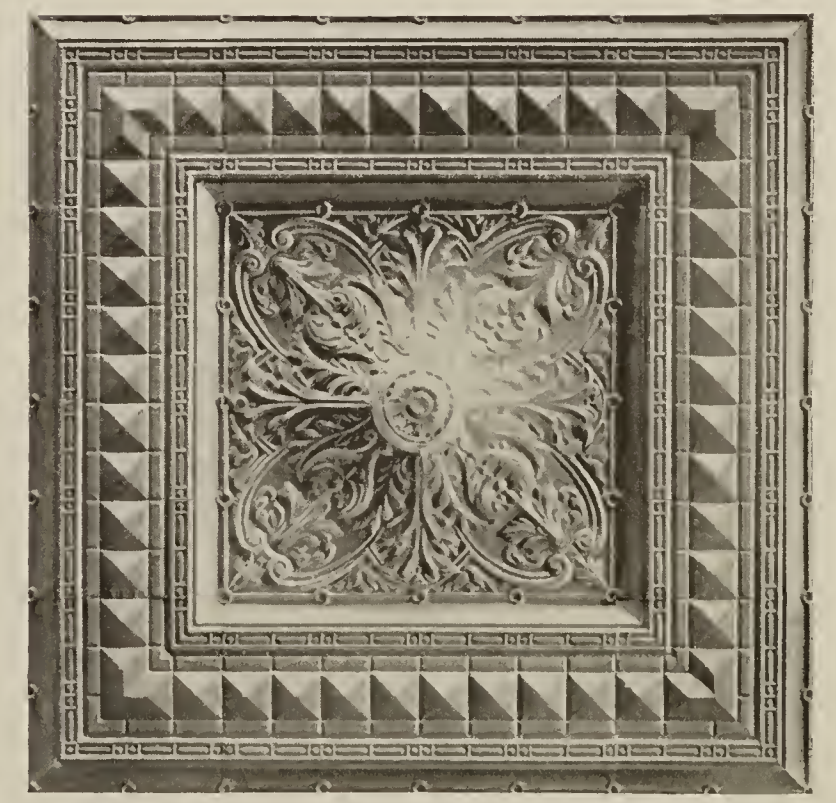
2004 48 x 48 in.



2005 48 x 48 in.



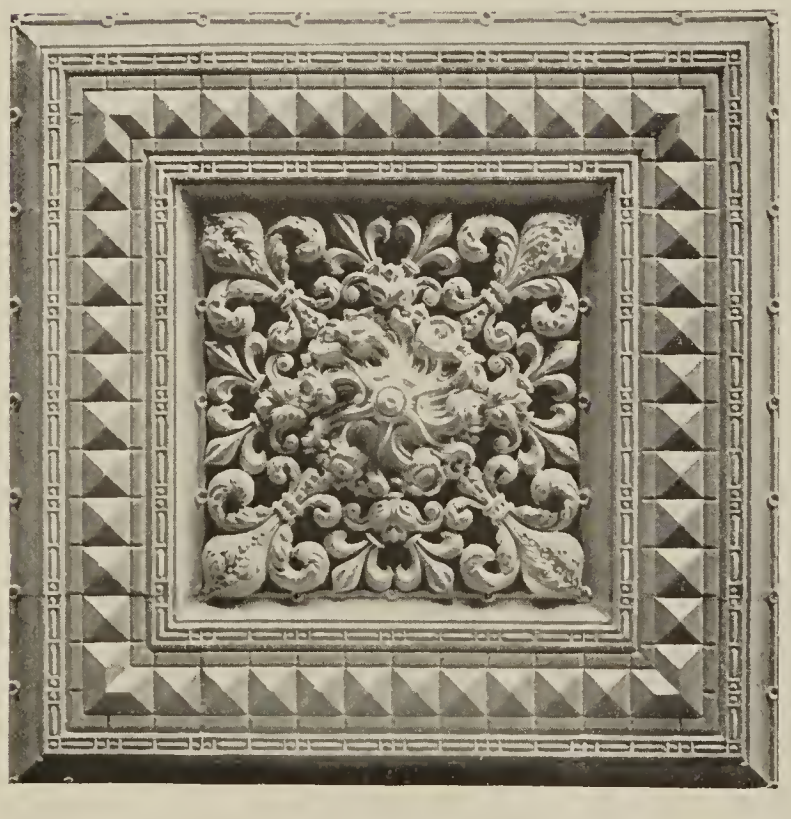
2009 48 x 48 in.



2010 48 x 48 in.

2011 48 x 48 in.

2012 48 x 48 in.



2013 48 x 48 in.

2015 48 x 48 in.

2016 48 x 48 in.

2017 48 x 48 in.

2018 48 x 48 in.

2019 48 x 48 in.

2006 36 x 36 in.

2007 36 x 36 in.

2008 36 x 36 in.

1056 36 x 36 in.

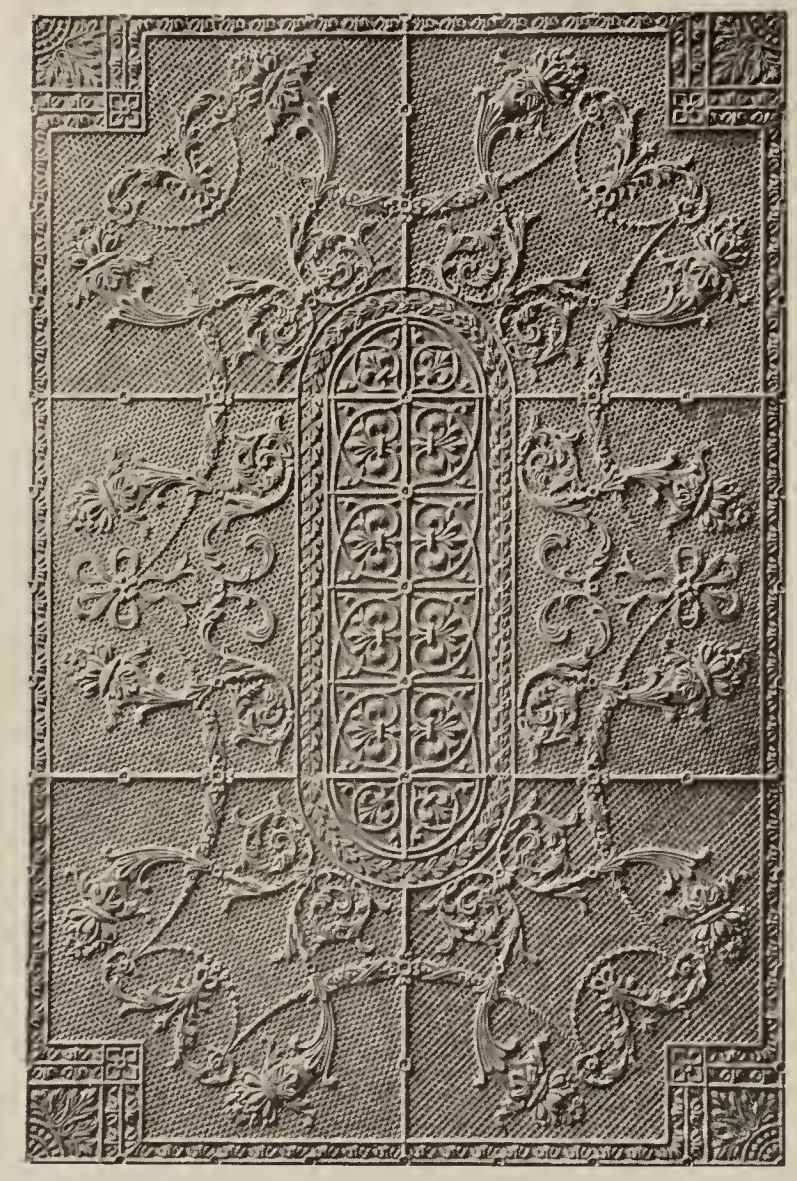
2014 36 x 36 in.

2020 36 x 36 in.

Section composed of Plates 188, 203 and 329.

Section of four Plates 329.

Section of four Plates 327.

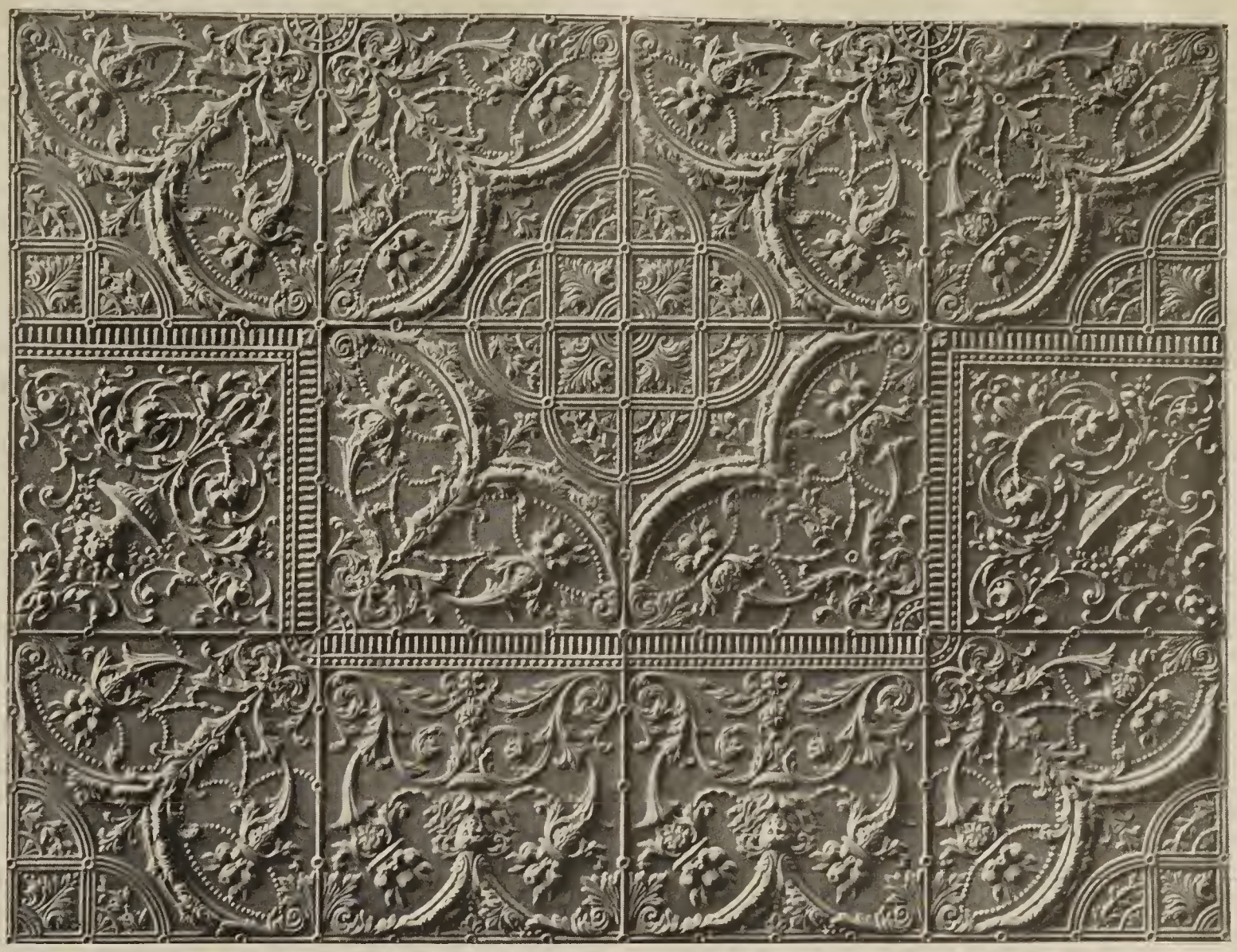


4 x 6 foot section of Plates 188 and 203.

4 x 6 foot section of Plates 204 and 205.

Section composed of four Plates 188.

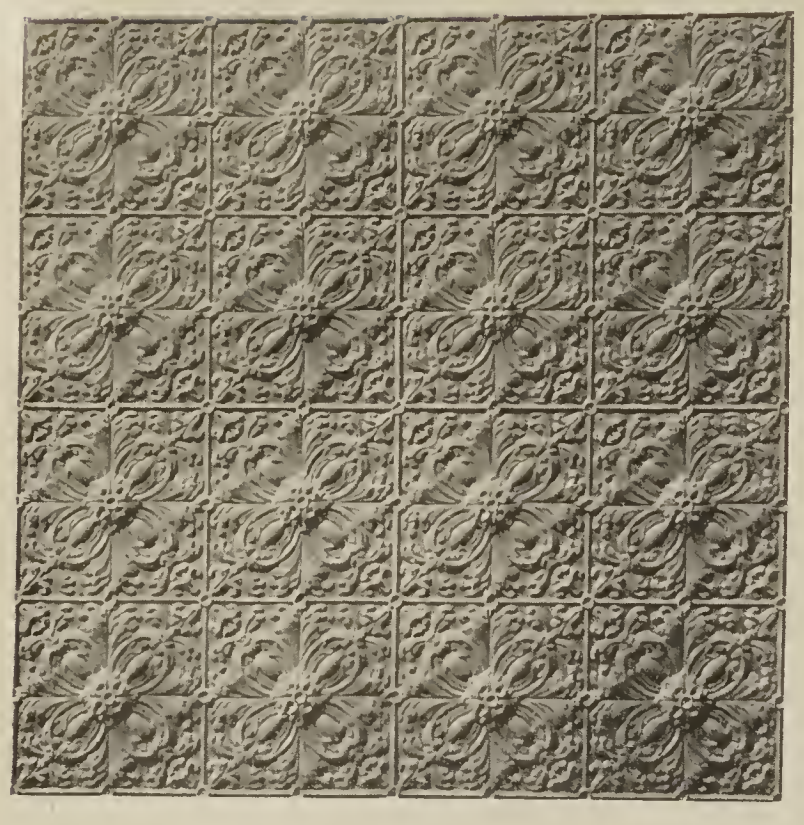
Section composed of four Plates 204.



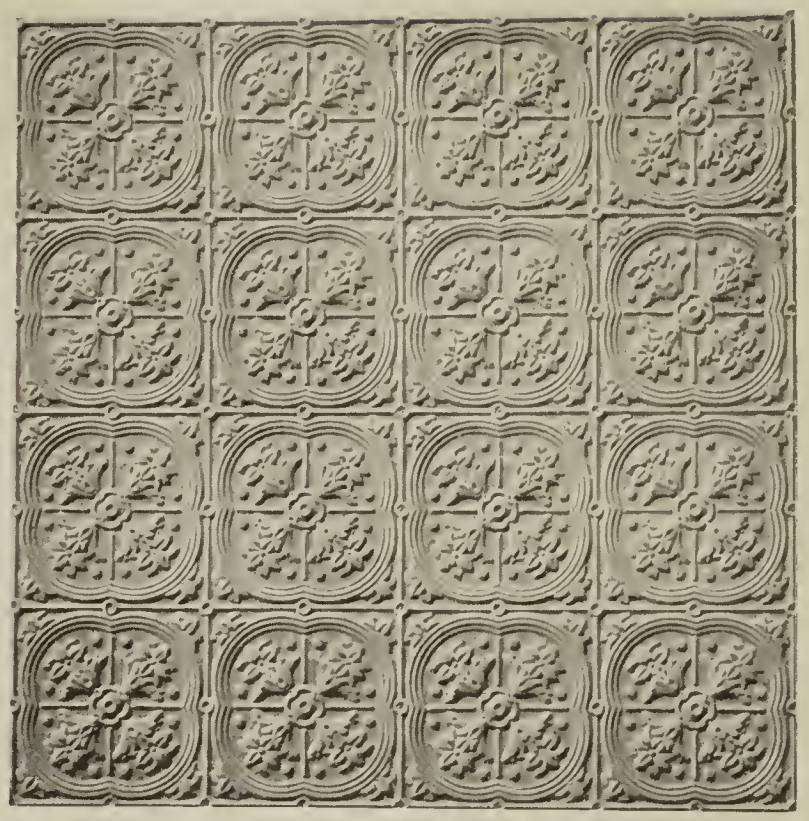
6 x 8 foot section composed of Plates 204, 205 and 330.

Section composed of four Plates 330.

Section composed of four Plates 204.



Section composed of four Plates 206.



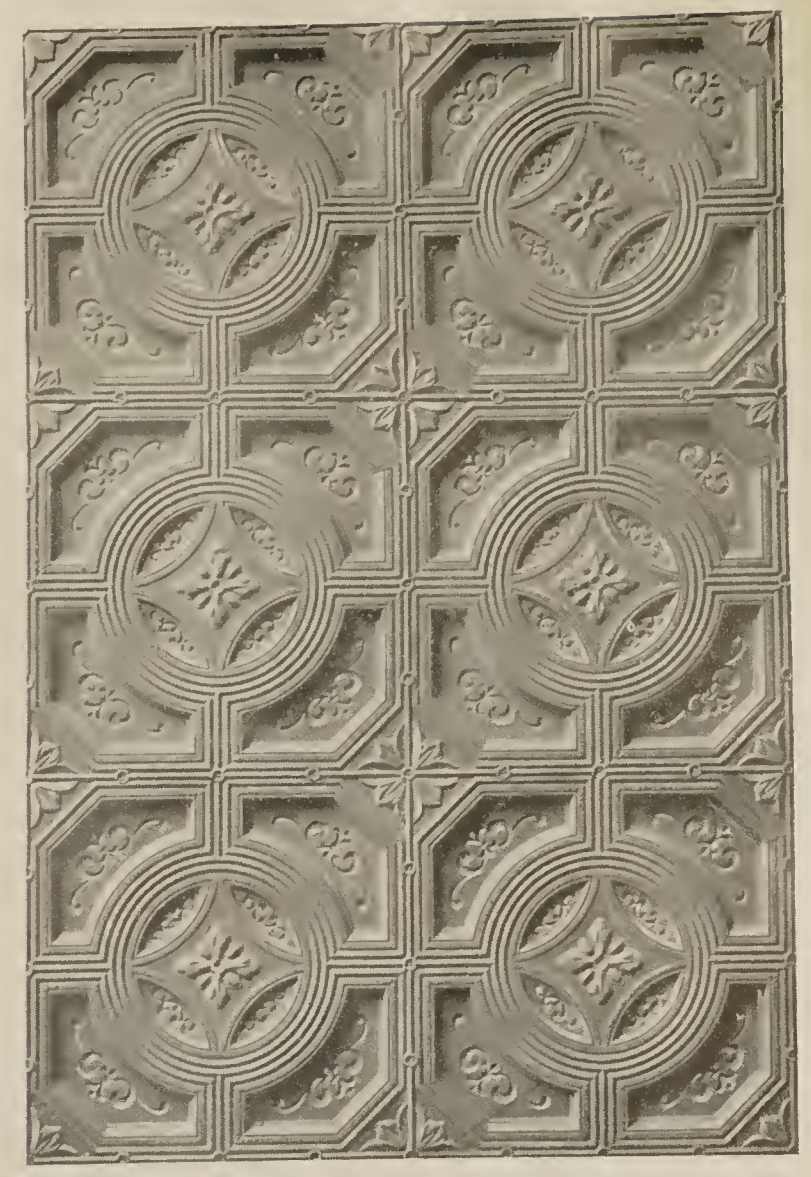
Section composed of four Plates 207.

Section composed of four Plates 209.

Section composed of four Plates 210.

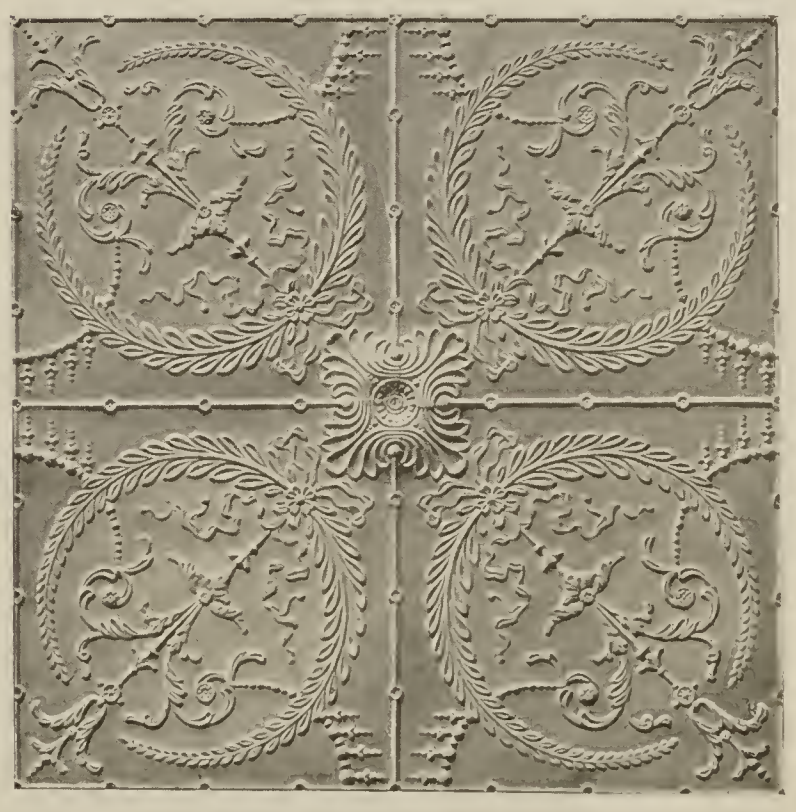
N. B —Sufficient pieces 6 x 24 of the border of this plate should be ordered to finish one side and one end of the room.

4 x 6 foot section composed of Plates 316 and 320

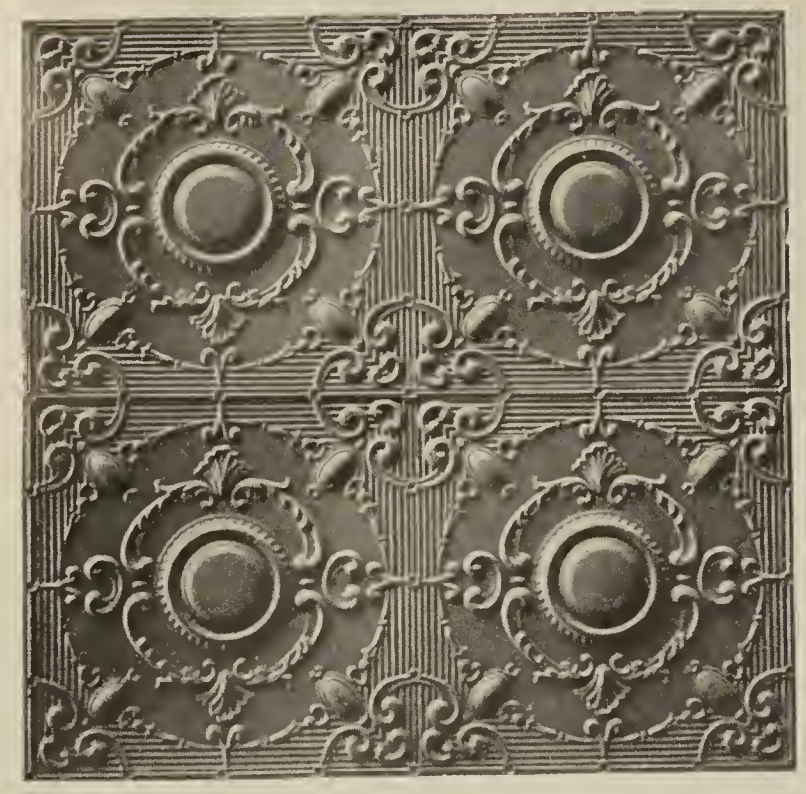


4 x 6 foot section composed of Plates 256.

Section composed of four Plates 320.



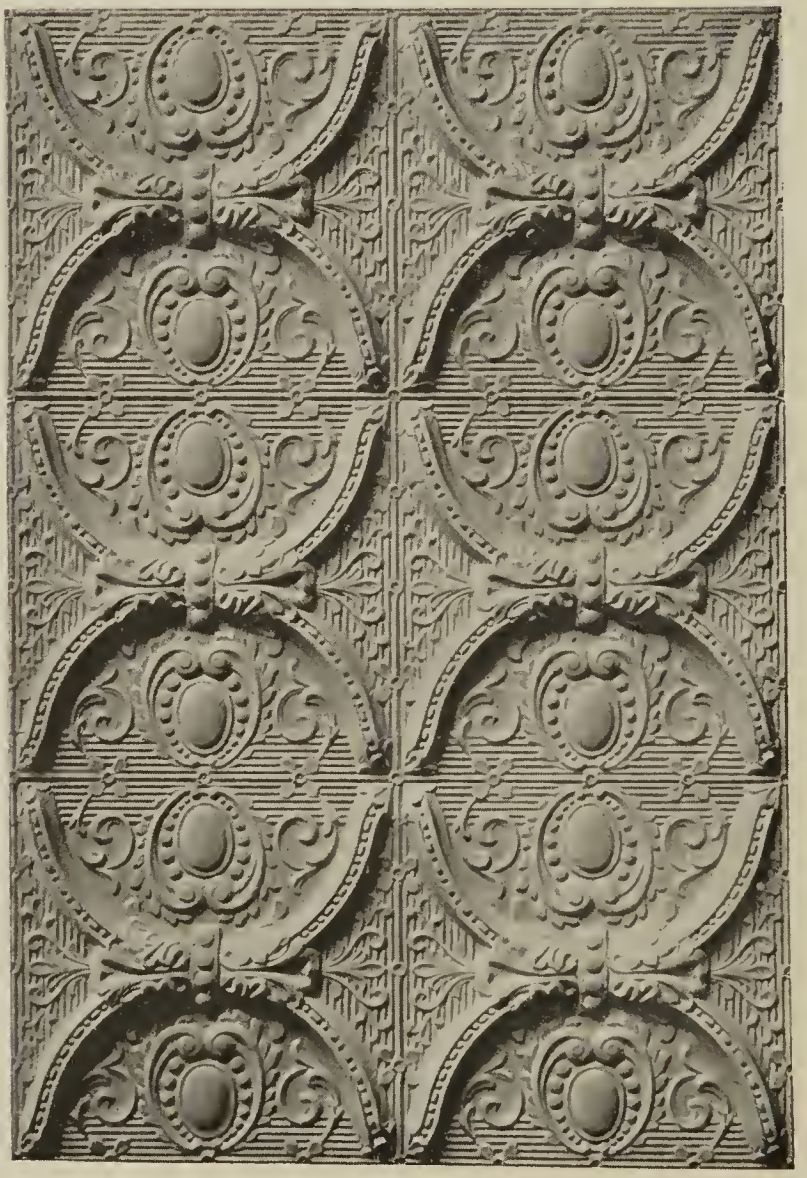
Section composed of four Plates 200.



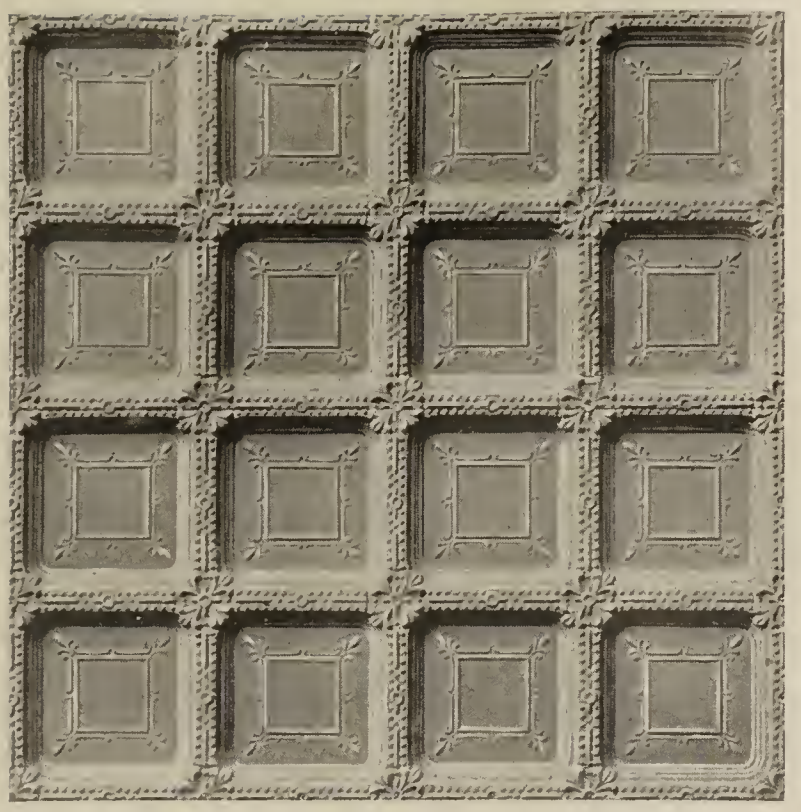
Section composed of four Plates 267.

Section composed of four Plates 268.

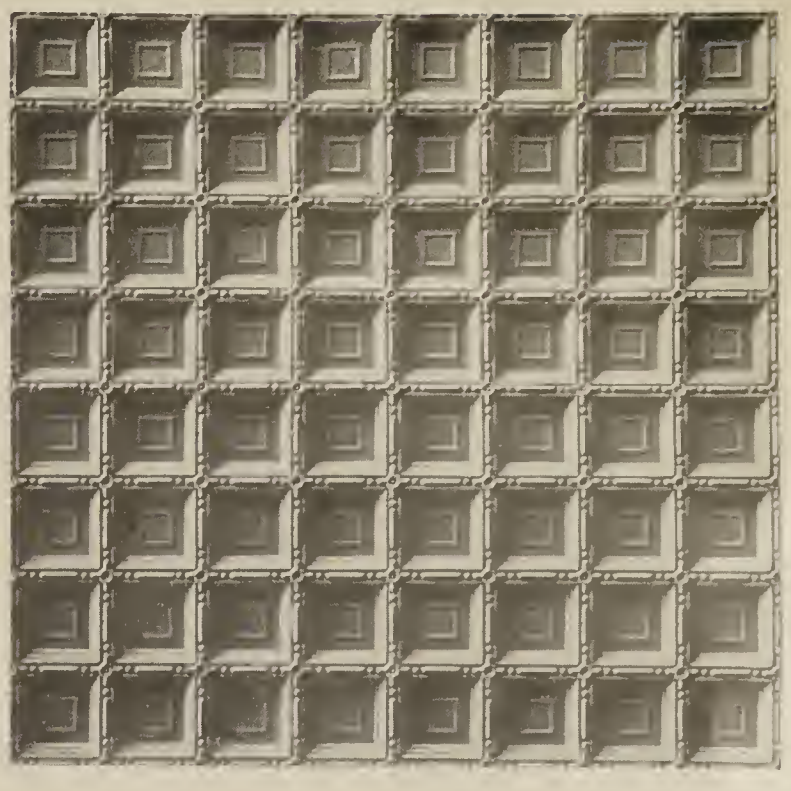
Section composed of six Plates 208.



Section composed of six Plates 208.



Section composed of four Plates 223.

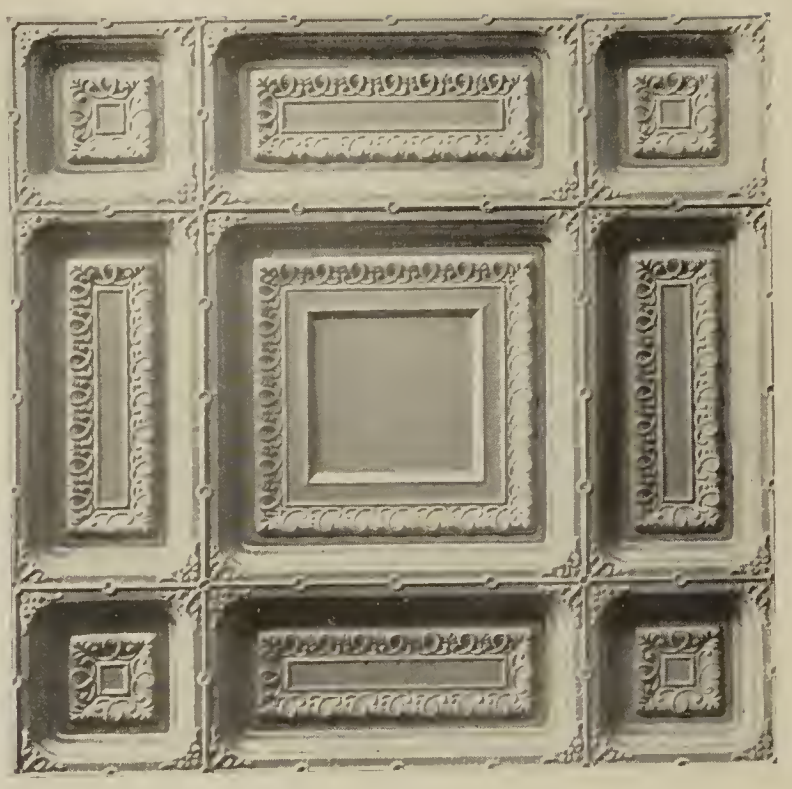


Section composed of four Plates 224.

Section composed of Plates 227 and 228.

Section composed of Plates 308 and 310.

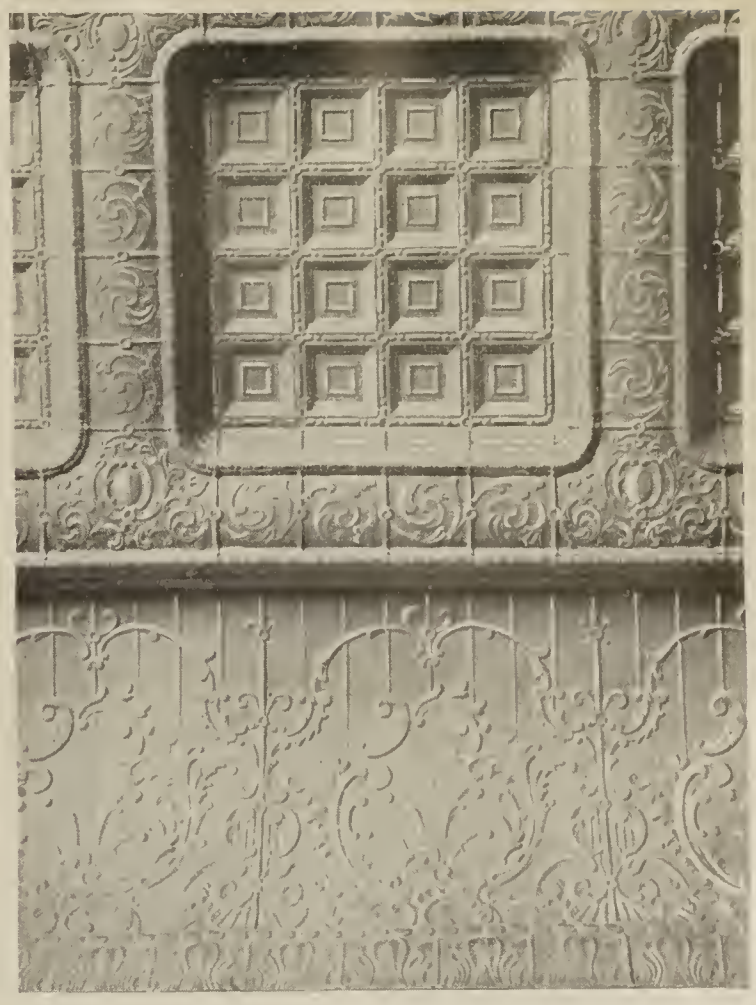
Section composed of Plates 273, 275 and 278.



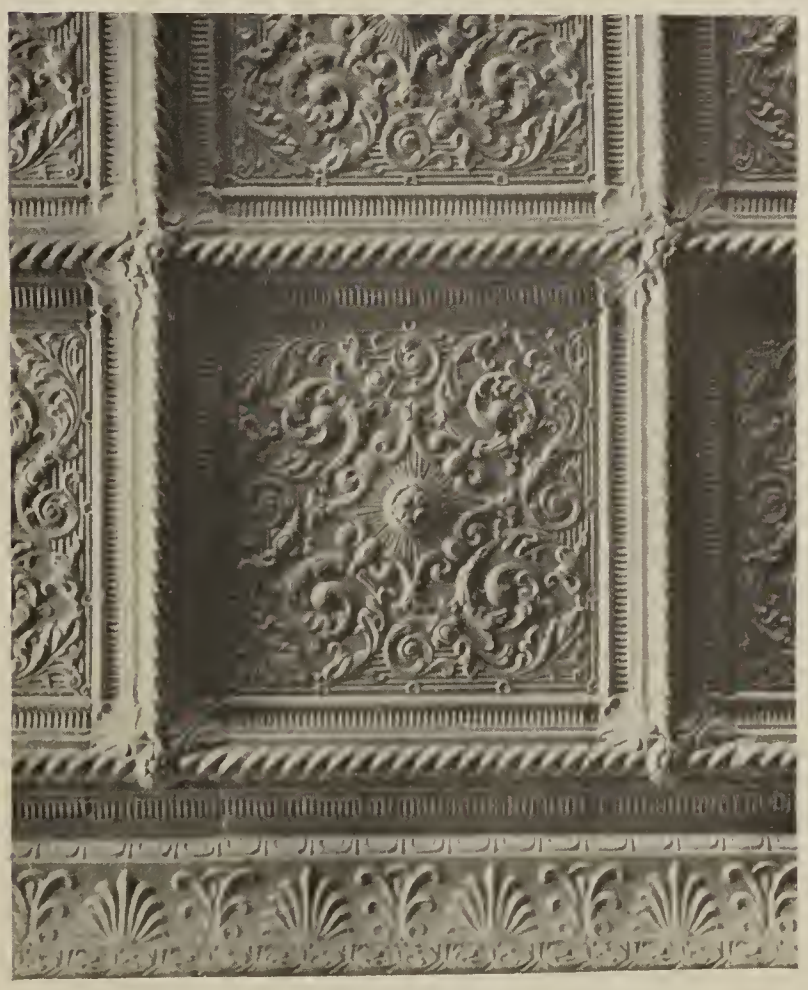
Section composed of Plates 271¼, 271½ and 271.

Section composed of Plates 308 and 309.

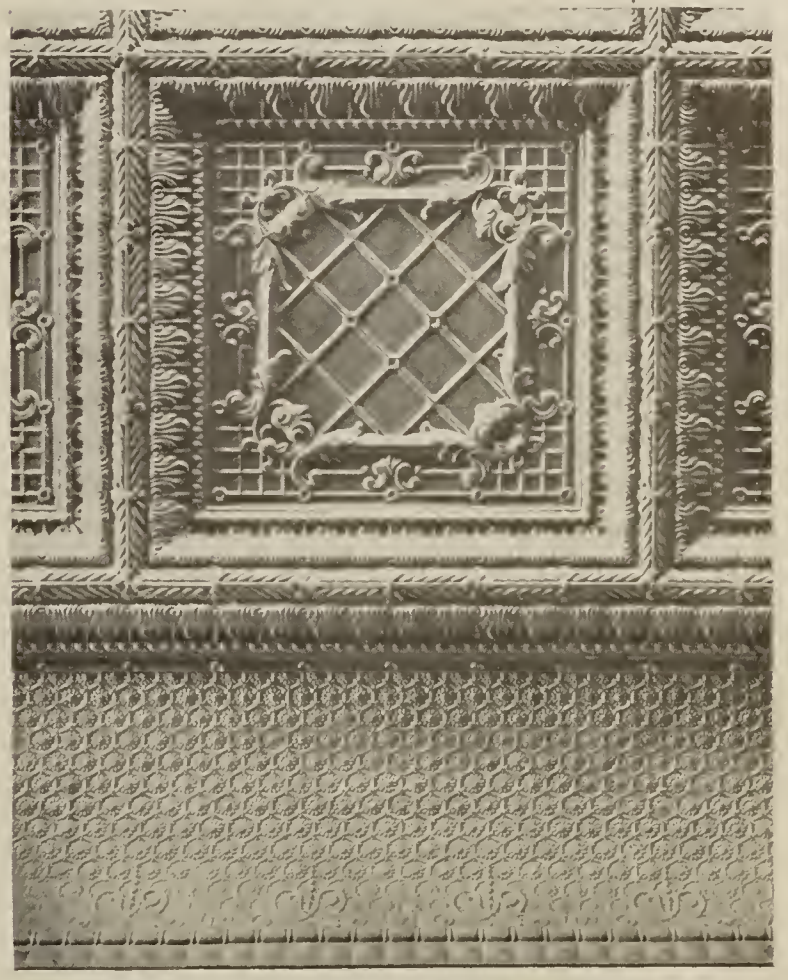
1070 Cornice 222, Filler 216. Mold 169, Plates 177.



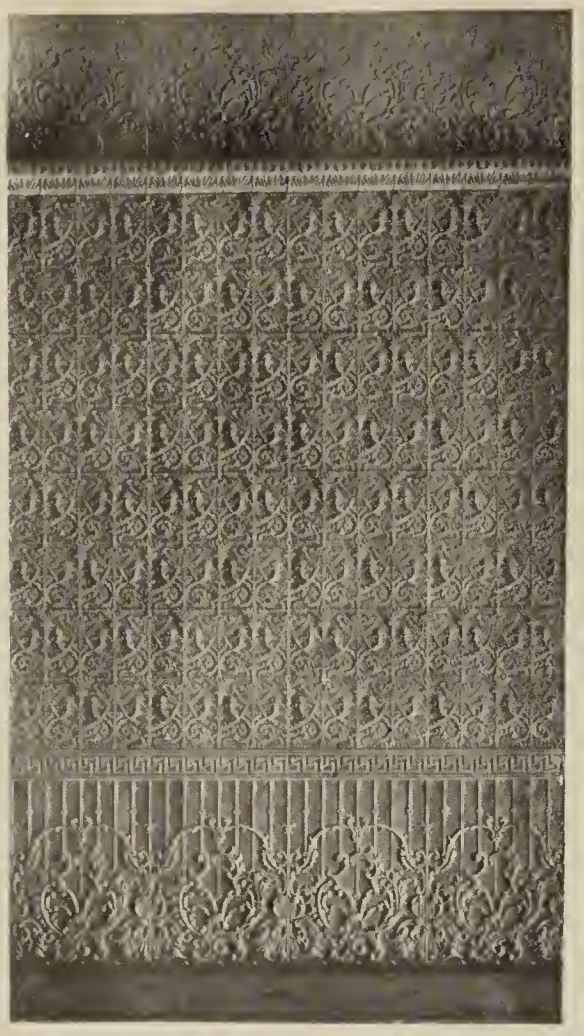
1053 Foot Mold 182, Cornice 215. Mold 192, Plates 224.



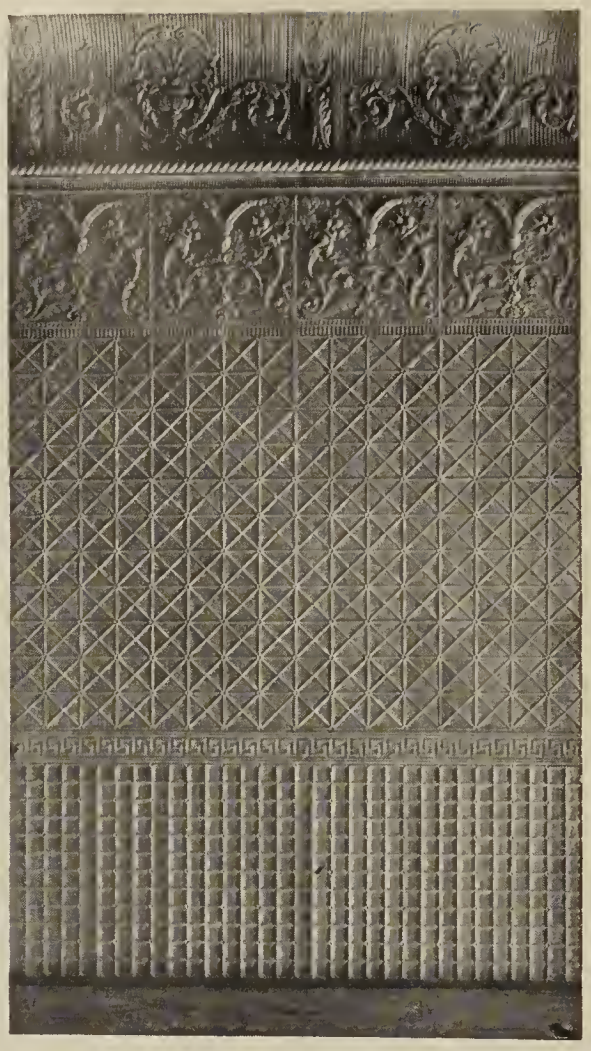
1071 Cornice 221, Mold 234. Plates 209



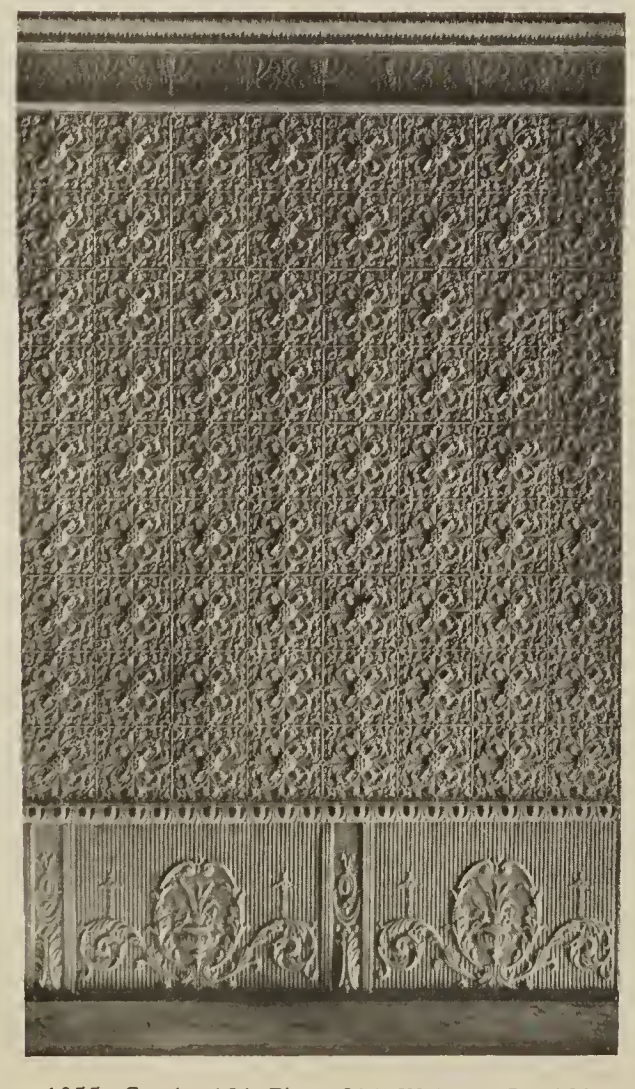
1072 Foot Mold 179, Cornice 217. Mold 241. Plates 211.



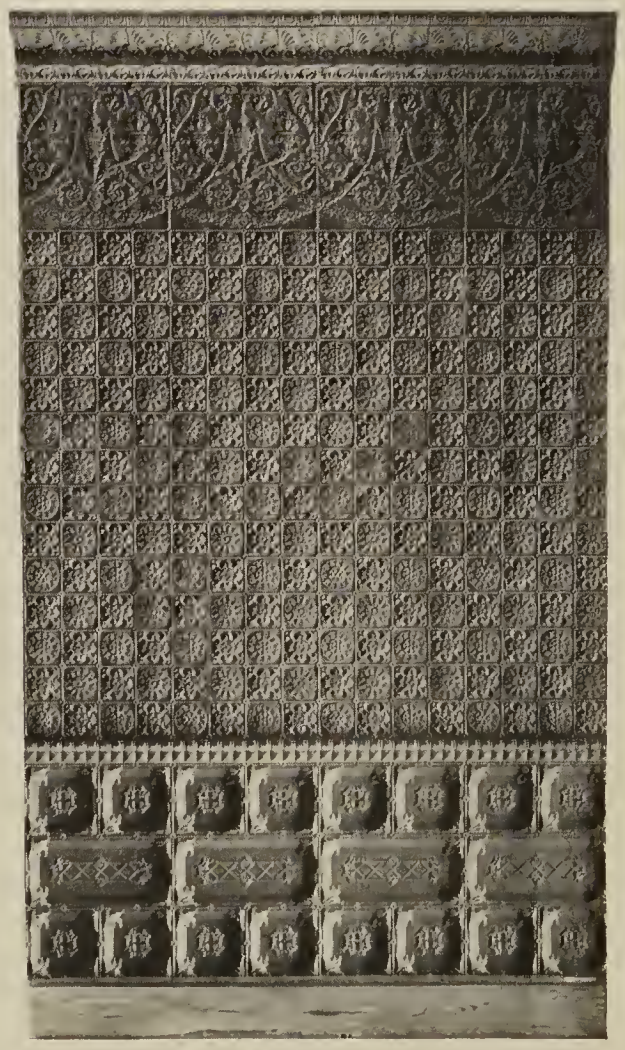
1060 Cornice 215, Foot Mold 182, Plates 187, Wainscot Cap 239, Wainscot 214.



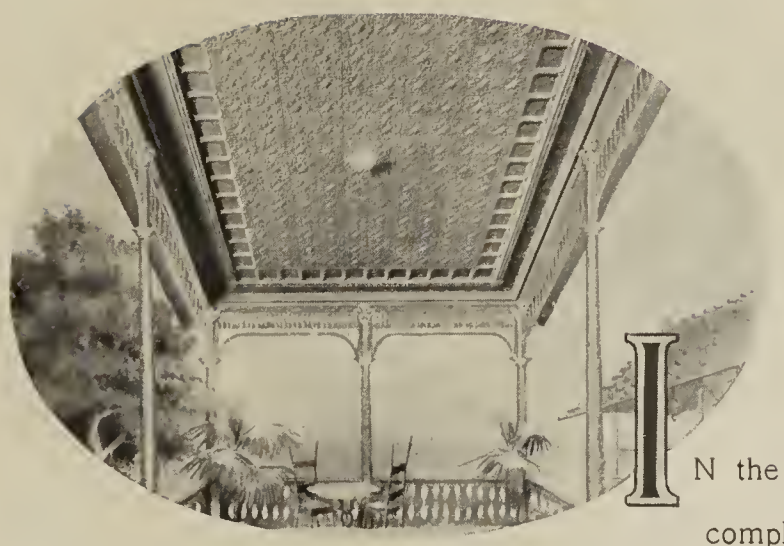
1057 Cornice 251, Foot Mold 191, Frieze 204, Plates 146, Wainscot Cap 239, Wainscot 225.



1055 Cornice 196, Plates 206, Wainscot Cap 190, Wainscot 250.

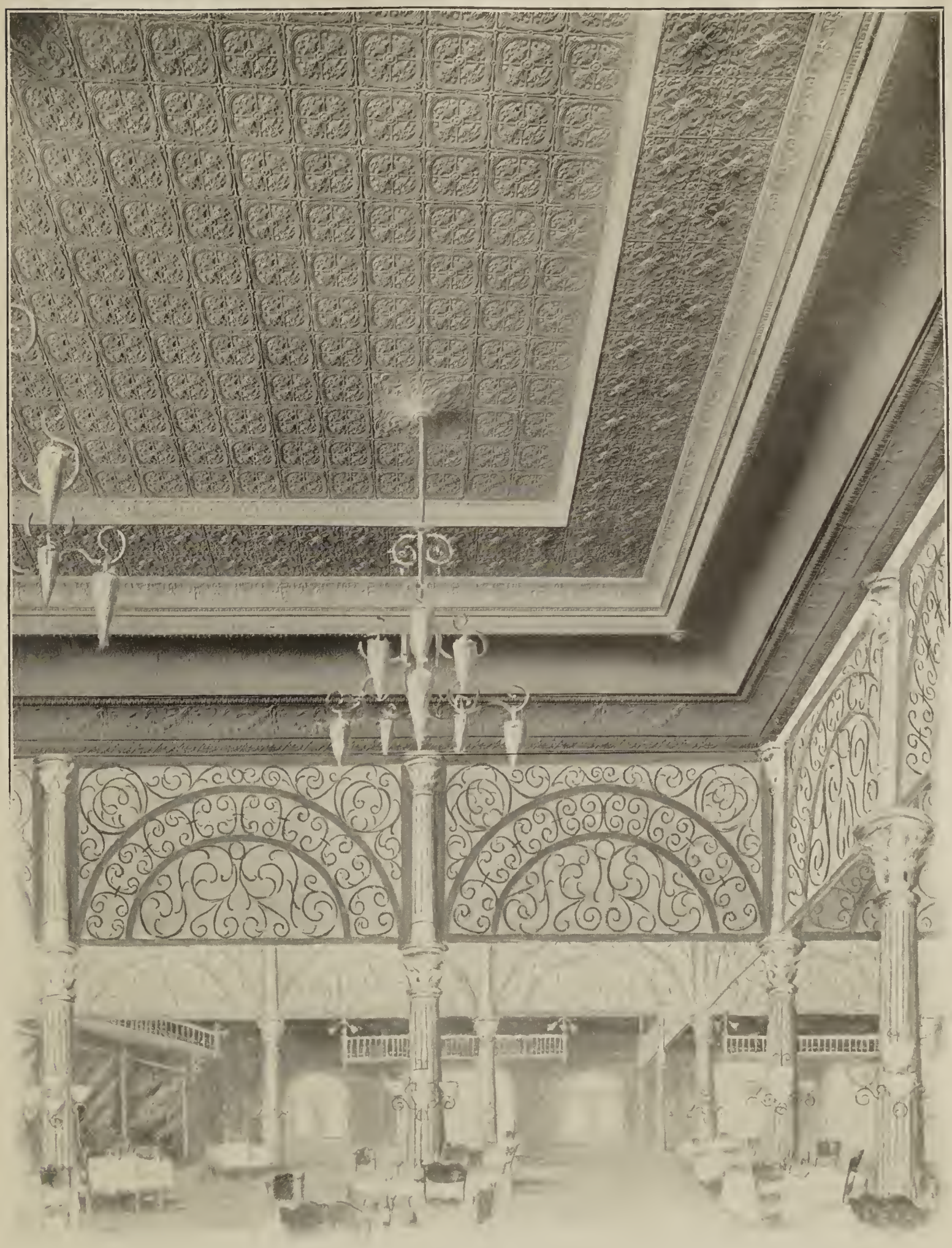


1069 Cornice 221, Frieze 189, Plates 254, Wainscot Cap 179, Wainscot 226 and 227.

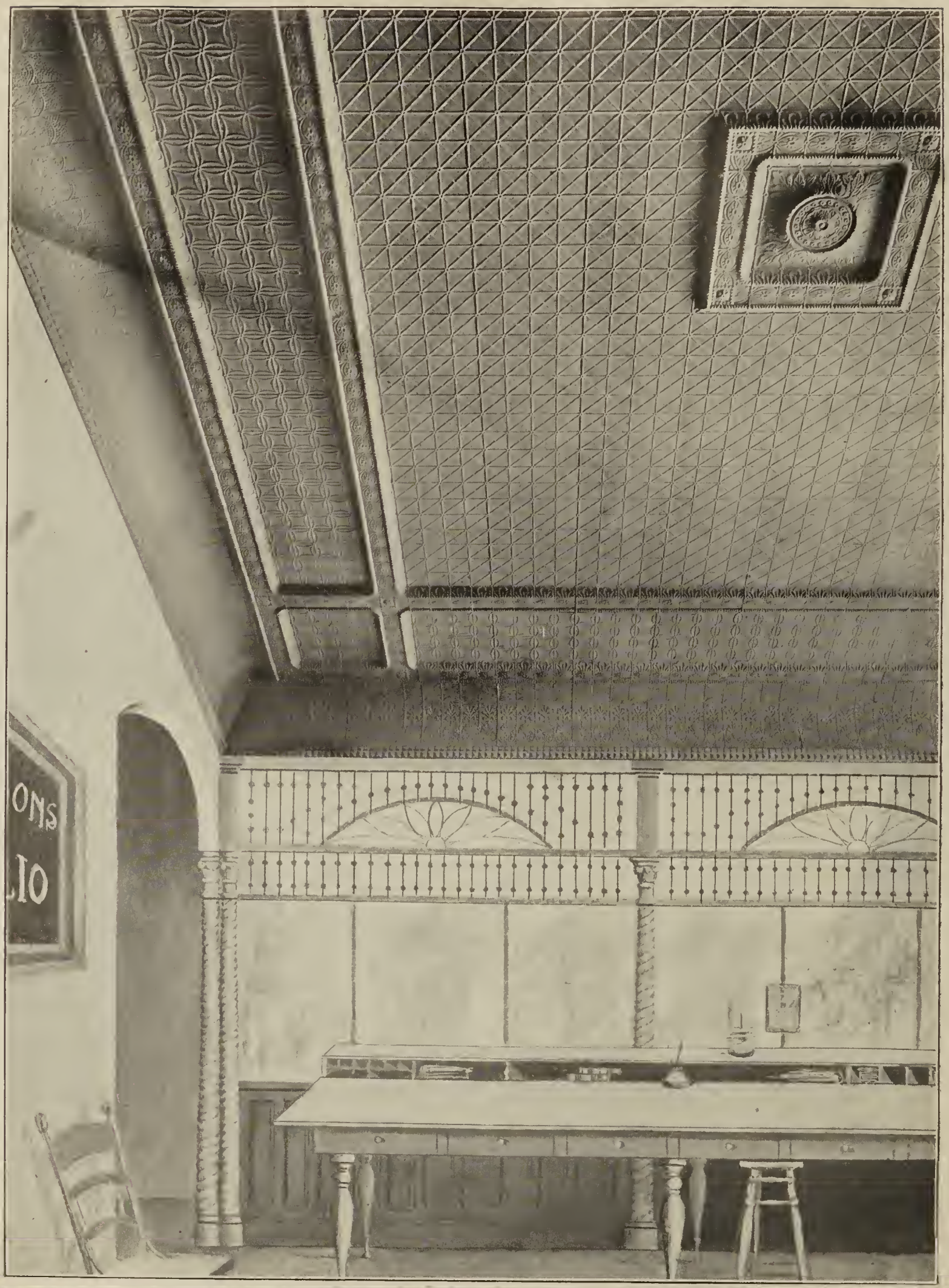


IN the pages following we show a few complete Ceilings, which we hope will convey a clear idea of the possibilities of embossed steel as a decorative medium, apart from its advantages as a substitute for cracking plaster, and as a fire resisting finish. Concerning these more material considerations the *Scientific American* says: "With reason it is contended that apart from their decorative features the Steel Ceiling offers greater immunity from danger than any other kind of ceiling. Immunity from fire, from falling substances, from moisture, etc. If properly placed in position, Steel Ceilings retain their solidity of surface permanently, neither cracking, shrinking, warping or otherwise going out of form."

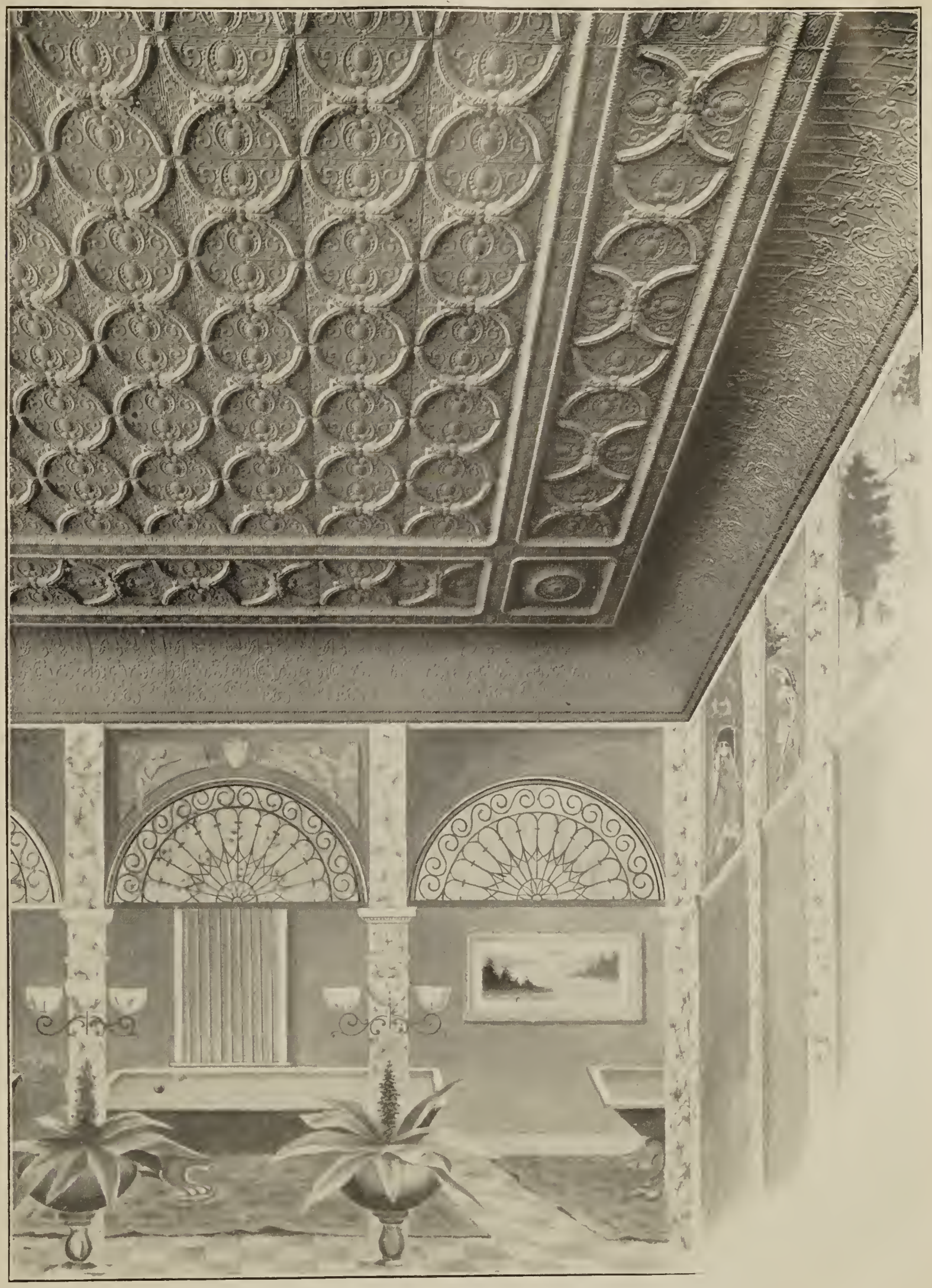
1074 Composed of Cornice 220, Foot Mold 191, Mold 182, Border 204 and 205, Mold 192, Field 212, Center 1050.



1075 Composed of Cornice 220, Nosing 311, Cove 176, Beam 312, Cornice 222, Border 206. Cornice 266, Field 207, Center 181.



1076 Composed of Foot Mold 179, Cove 176, Mold 169, Border 162, Field 146, Center 1001.



1077 Composed of Foot Mold 182, Cove 215, Mold 169, Corner 180, Border and Field 203.

1078 Composed of Cornice 221, Stiling 255. Mold 241, Field Plates 211.

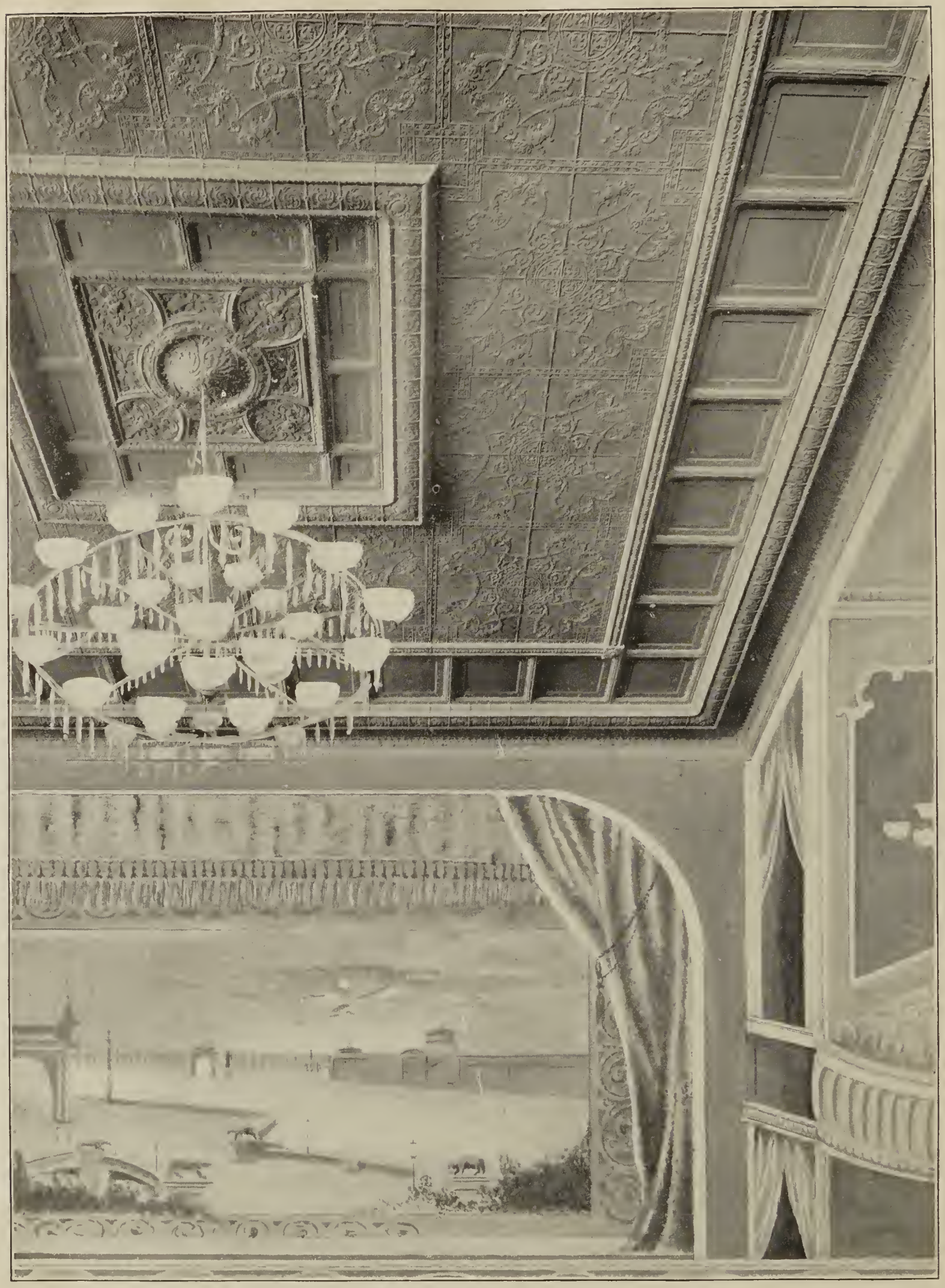
1079 Composed of Foot Mold 182, Cove 215, Mold 169, Corner Plate 180, Border 208, Field 208 and 209.

1080 Composed of Foot Mold 179, Cove 176, Mold 169, Border 189, Corner 180, Field 188.

1081 Composed of Foot Mold 190, Girder Cover 297, 296, Molds 286 and 302, Cove 203, Stiling 255, Field 308 and 310.

1082 Composed of Cornice 220, Stiling 255, Panels 271, Mold 192, Corner Plate 180, Border 208, Field 211.

1083. Composed of Cornice 266, Stiling 255, Mold 257, Plate 267.

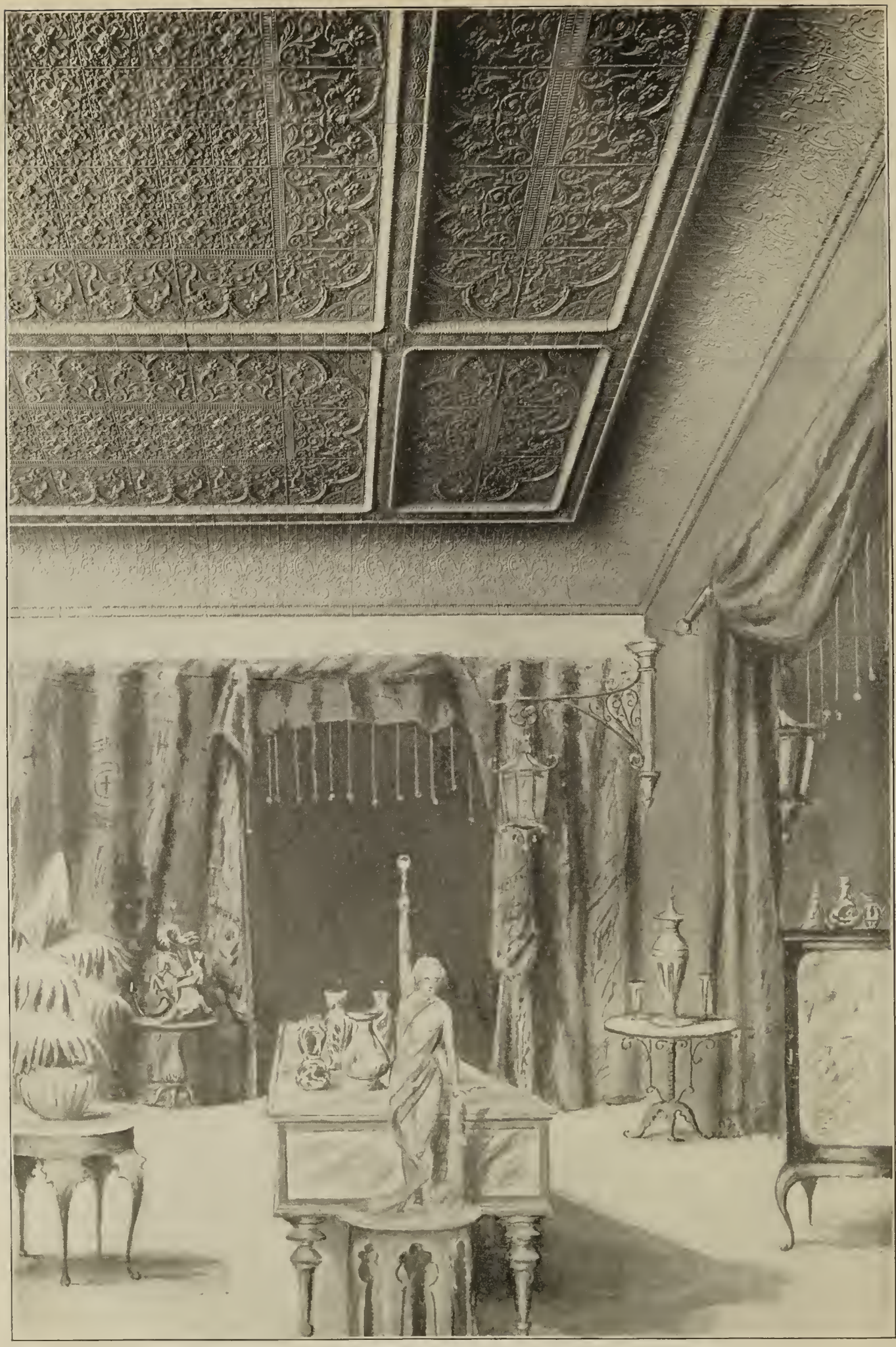


1084 Composed of Cornice 299, Stiling 216, Mold 192 and 230, Panel 284, Field Plates 188, Center 253, Panels 279 and 280.

1085 Foot Mold 182, Cove 215, Mold 169, Corner Plate 180, Border 208, Field 208 and 209.

1086 Composed of Foot Mold 182, Cove 215, Mold 312, Cornice 221, Mold 238, Panels 271 and 271½, Border 208, Corner 271½, 271¼ and 180, Field 204.

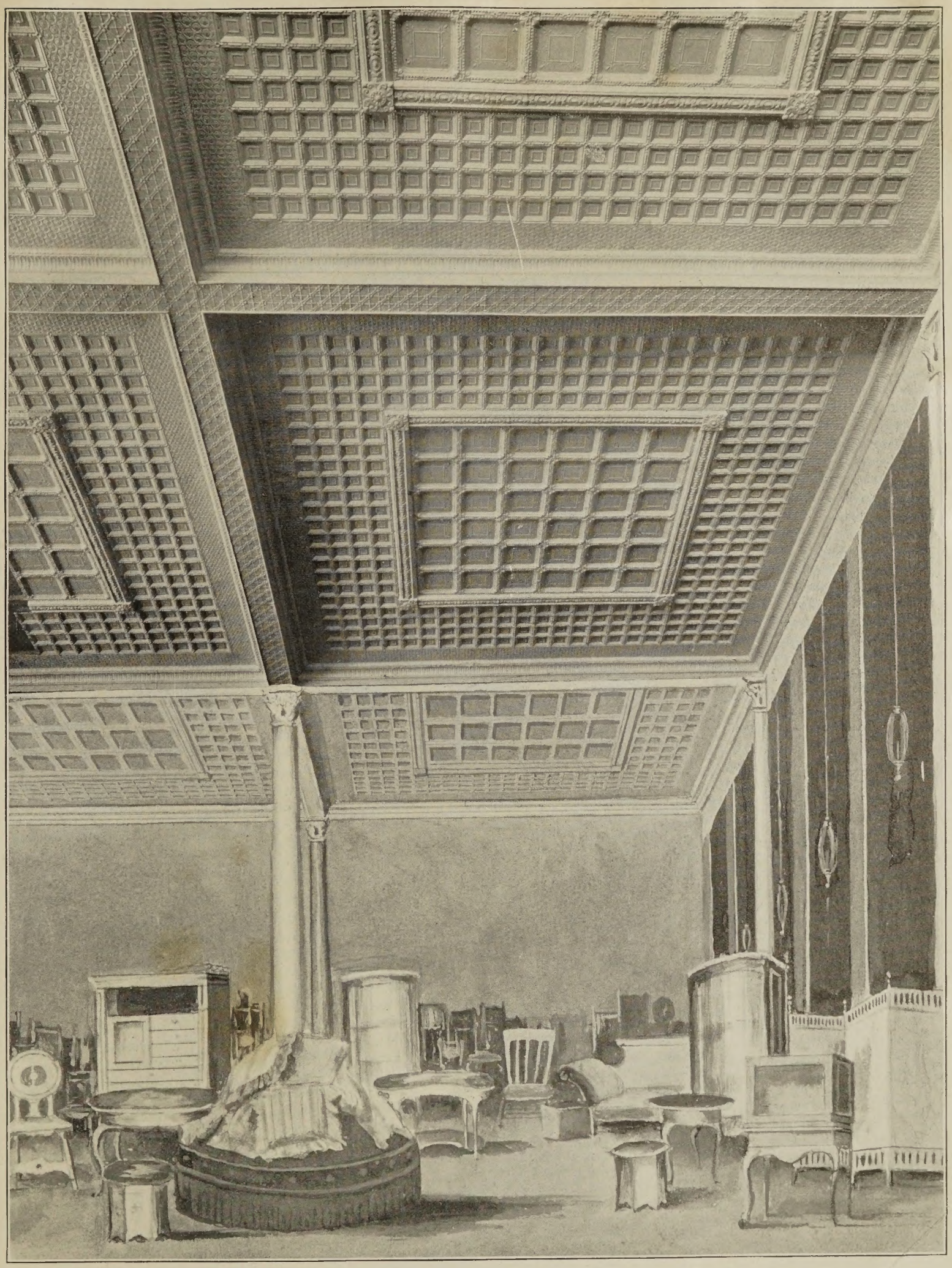
1087 Composed of Cornice 295, Border 224, Beam 302, Panels 271 and 272.



1092 Composed of Foot Mold 182. Cove 215. Mold 169. Field 204, 205 and 206.

1093 Composed of Foot Mold 179, Cove 215, Beams 312, Border 316, Field 327, Center 253.

1094 Composed of Cornice 292, Filler 255, Beam 312, Panels 308 and 310.



1095 Composed of Cornice 197, Beam Face 263, Nosing 311, Stiling 255, Border 224, Mold 230, Field 223.

We also manufacture all Kinds of
Iron and Steel Roofings,
Black and Galvanized Sheets
Eaves Troughs, Conductors,
Tin and Terne Plates.
Corrugated Sheets.